

THE CONSERVATION STATUS AND DISTRIBUTION OF THE BREEDING BIRDS OF THE ARABIAN PENINSULA

Compiled by Andy Symes, Joe Taylor, David Mallon, Richard Porter, Chenay Simms and Kevin Budd



The IUCN Red List of Threatened Species[™] - Regional Assessment









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The workshops have now gone to the next level in cooperation with the IUCN Red List office and starting to produce IUCN Red List regional assessments of chosen taxa.

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All of IUCN's global Red Listing processes rely on the willingness of scientists to contribute and pool their collective knowledge to make the most reliable estimates of species conservation status. Without their enthusiastic commitment to species conservation, this kind of regional overview would not be possible.

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يشرفنا أن نتقدم بجزيل الشكر وخالص العرفان لصاحب السمو الشيخ الدكتور سلطان بن محمد القاسمي ، عضو المجلس الأعلى حاكم الشارقة، على الدعم والاهتمام المتواصل الذي يبديه للحفاظ على التنوع الحيوي في المنطقة والذي لولا هذا الاهتمام الكبير من قبل سموه الكريم لما لاقت هذه الجهود النجاح في الحفاظ على التنوع الحيوي.

كما أننا نتقدم بالشكر إلى هيئة البيئة والمحميات الطبيعية في إمارة الشارقة لاستضافاتها لهذا الحدث الهام. و نتقدم بجزيل الشكر لمركز إكثار الحيوانات المهددة بالانقراض في شبه الجزيرة العربية لتوفيرهم الدعم اللوجستي والإداري والتنسيق الناجح الذي أبدوه لجميع المشاركين لتنفيذ هذه الورشة الدولية، ونخص بالشكر كل من سعادة هنا سيف السويدي، رئيس هيئة البيئة والمحميات الطبيعية في الشارقة والسيد بول فيركمين مدير مركز الإكثار. كما نشكر منسقى الورشة، آندي سيمس، جو تايلور، و ديفيد مالون.

أن جميع العلماء والخبراء في القائمة الحمراء للأنواع المهددة بالانقراض للاتحاد الدولي لحفظ الطبيعة على استعداد دائم بالمساهمة بخبراتهم وجلبها إلى هنا من أجل المساهمة في جعل التقديرات الخاصة بالأنواع المهددة بالانقراض أكثر موثوقية والتي بدونها سيتعذر علينا جمع البيانات والتأكد منها.

وكذلك نشكر جميع المساهمين في الورشة الذين قدموا خبراتهم ووقتهم لإنجاح هذه الورشة التي تقام في إمارة الشارقة، ونعتذر لأي شخص سقط اسمه سهواً أو عن أي خطأ إملائي في الأسماء: جيرول كابادونقا أقوهاب، أحمد آل علي، حسام العصفور، محمود العابري، وحيد عبدالله الفرزي، شريف الجابور، مسعى مهدي الجميلي، خالد الرسبي، منيف الراشدي، عمر الصغير، حسن زين الشريف، نابغ أسود، عبدالله الصهيباني، عادل محمد العوضي، صالح بهبهاني، ليث المغربي، ريتشارد هانروبي، مايك جينينغز، ماهر خبشاوي، رضا خان، شاهد بشير خان، دز باثان، مايك بوب، ريتشارد بوتر، كروم ويل بيرجيس، مضفر سالم، بودجيما سامروي، محمد شوبراك، و نيك وليامز.

أما مصادر التمويل لورشة العمل الدولية في الشارقة قدمت من قبل هيئة البيئة والمحميات الطبيعية في الشارقة و تكاليف نشر التقرير الخاص بالورشة، و تكاليف جمع المعلومات، و تنسيق الورشة، و تحرير البيانات، ممولة من قبل هيئة البيئة والمحميات الطبيعية و منظمة حياة الطيور الدولية.

Executive Summary

The project region, defined here to include Arabian Peninsula, plus Iraq, Syria, and Lebanon, contains a diversity of desert, mountain, and wetland habitats and lies at the crossroads of the Rift Valley/Red Sea and the East Asia/East Africa flyways. Bird species richness is high and 357 species are known to breed in the region. Of these, 28 species were excluded from this assessment as their occurrence in the region is marginal. The conservation status of the remaining 329 species was assessed through the application of the IUCN Red List Categories and Criteria at the global and regional scales during a workshop held at the Breeding Centre for Endangered Arabian Wildlife (BCEAW) in Sharjah, UAE from 3-7 February 2013 in cooperation with BirdLife International.

Overall, species richness is highest around the edges of the Arabian Peninsula, especially the south-western mountains and Dhofar, with the least diverse area being the Rub' al Khali (or Empty Quarter) and the areas of endemism generally follow the same pattern. A total of 35 species (10.6%) are endemic or near-endemics (greater than 70% of global range) to the region; the island of Socotra has an especially high number of endemic species (10). Nearly one quarter (24%) of the regions 329 breeding bird species are considered to be regionally Threatened or Near Threatened and one, the Ostrich (*Struthio camelus*), is Regionally Extinct.

Habitat loss remains the overriding threat to the breeding birds within the region, but some species particularly the Falconiformes and Gruiformes are both sought-after and heavily exploited by falconers. أجري المشروع في منطقة شبه الجزيرة العربية، بالإضافة إلى العراق، وسوريا، ولبنان. و التي تحتوي على بيئات مختلفة مثل المناطق الصحراوية والجبلية، و الأراضي الرطبة. وتقع في مفترق الطرق بين الوادي المتصدع و البحر الأحمر ومسارات الطيران في شرق آسيا و شرق افريقيا . كما أن هناك تنوع بيولوجي وفير للطيور، حيث سجل حوالي ٣٥٧ نوعاً من الطيور المتكاثرة في المنطقة، ومن بين هؤلاء، تم استبعاد ٨٦ نوعاً من الطيور المتكاثرة في المنطقة، ومن بين هؤلاء، تم استبعاد حالة الحفاظ على ٣٢٩ نوعاً من الطيورالمتبقية، وذلك من خلال تطبيق فئات و معايير القائمة الحمراء التابعة للـ IUCN على الصعيدين العالمي والإقليمي. من خلال ورشة العمل التي عقدت في مركز حماية و إكثار موالا الميوانات البرية العربية المهددة بالانقراض (BCEAW) في الشارقة، في دولة الإمارات العربية المتحدة، من تاريخ ٣ إلى ٧ فبراير ٢٠١٣ بالتعاون مع منظمة حياة الطيور الدولية.

على الأغلب، وفرة التنوع البيولوجي للطيور هي الأكثف على أطراف شبه الجزيرة العربية، خاصة في الجبال الجنوبية الغربية ومحافظة ظفار، أما المناطق الأقل تنوعاً هي منطقة الربع الخالي ومناطق التوطن بصفة عامة تتبع النمط نفسه. و حوالي مجموع ٣٥ نوعاً من الطيور المستوطنة أو شبه المستوطنة (٦٠,١ ٪) (و حوالي أكثر من ٧٠٪ من المجموع العالمي) بالنسبة للمنطقة؛ و على وجه الخصوص جزيرة سقطرى لديها عدد كبير من أنواع الطيور المستوطنة، حوالي عشرة (١٠) منها. أي بما يقارب ربع أنواع هذه الطيور المتكاثرة و حوالي (٢٢٪). في هذه المناطق يعتبر ٣٢٩ نوعاً منها معرضاً للانقراض إقليميا أو قريب من التهديد، و نوع واحد من هذه الطيور، و هو النعامة (Struthio camelus)، تعتبر منقرضة على الصعيد الاقليمي.

ولا يزال عامل فقدان الموائل المهدد الرئيسي للطيور المتكاثرة في المنطقة، ولكن بعض الأنواع وخاصة الصقريات ، و الكركيات Falconiformes وGruiformes تعتبر مهددة و مستغلة بشكل كبير من قبل الصقارين.

1. Background

1.1 The Assessment Region

The assessment region covered the whole of the Arabian Peninsula, plus Iraq, Syria and Lebanon, including offshore islands and the Socotra archipelago (Figure. 1). The total area covered exceeds 3,000,000 km².

Most of the interior of the region is composed of sand and gravel deserts, arid steppes and rocky plateaus intersected by numerous wadis. The largest of these are Wadi Rum in Jordan and the Wadi Hadhramaut-Wadi Masilah system in southern Yemen. Sand dunes make up large areas, with the Rub al Khali (Empty Quarter) in the south-east occupying about 640,000 km². Black basalt lava flows (*harrat*) cover about 30,000 km²

in northern Saudi Arabia and adjacent parts of Syria and Jordan.

Mountains fringe the entire region except for the north-east coast of the Gulf. The western mountains run along the coast and rise steeply from the sea, shelving more gradually towards the desert interior. They reach their highest point at Jebel An Nabi Shu'ayb (3,666 m) in Yemen. The southern part of this range, in south-west Saudi Arabia and Yemen, receives summer rainfall and the western escarpment is intensively cultivated by means of terraced fields and cut by many steep wadis, some of which contain some water throughout the year and are partially wooded, with species of *Ficus*, *Cordia*, *Breonardia* and *Tamarindus*. At higher elevations, some patches of open



Figure 1. The Assessment Region as defined through the current report.

juniper *Juniperus procera* woodland remain. The mountains of Dhofar, southern Oman and the Mahra region of eastern Yemen attain elevations of 1,400-1,800 m and also receive rain from the summer monsoon. Dense woodland on their seaward slopes contains *Anogeissus dhofarica*, *Commiphora habessinica* and frankincense *Boswellia sacra* trees. Between Dhofar and the SW mountains lies an extensive limestone plateau, the *jol*.

The Hajar Mountains of Oman and UAE stretch along the south-east coast for about 700 km between the Musandam Peninsula and Ras al Hadd. Their highest point, on Jebel Al Akhdar, reaches 3,009 m. The northern edge of the region is bordered by the Zagros Range, reaching 3,611 m in the Kurdistan region of Iraq. A strip of lower hills belonging to the Mediterranean biome runs south along the western edge of the region from the Turkish border through Lebanon, Syria and Jordan. The vegetation consists of Mediterranean scrub, Pine *Pinus* spp. forests and the well-known cedar of Lebanon *Cedrus libani*.

Salt flats (*sabkha*) occur on coasts and in places inland. Narrow coastal strips - the Tihama in the south-west and Batinah in Oman – contain extensive areas of agriculture. Mangroves are

an important but declining habitat especially along the Gulf and Red Sea coasts.

Apart from the Tigris and Euphrates rivers of Syria and Iraq, and the Orontes and Jordan rivers in the west, permanent water is restricted to a few mountain wadis. Temporary streams and pools occur after rainfall. The marshes of southern Iraq are the region's major wetland. Draining these marshes for political reasons reduced them to about 10% of their original extent by 2003. Reflooding since then has restored about 55% of the area covered in the 1970s.

The Damaniyat, Farasan, and Hanish Islands as well as many smaller islets in the Gulf and Red Sea provide important breeding habitat for seabirds and other species. There are important stopover and wintering sites for migrant and wintering shorebirds and waterbirds along the coasts, notably Barr al Hikman in Oman.

Vegetation over most the region is generally sparse and low, though many wadis have open Acacia-Commiphora woodland, and several species of *Acacia* and *Zizyphus* are widespread. In Oman and UAE, groves of *Prosopis cineraria* trees (*ghaf*) occur. Overgrazing by livestock has adversely affected much of the original natural vegetation.



Endemic to Socotra but widespread and stable the Socotra Grosbeak *Rhynchostruthus socotranus* is classified as Least Concern. © Richard Porter.

The Arabian Region lies at the junction of three biogeographic realms: western Palearctic, Afrotropical, and Oriental, which is reflected in the composition of the flora and fauna, including the birds. The south-west mountains, Dhofar and Hadhramaut form part of two global biodiversity hotspots – Horn of Africa and Eastern Afromontane (Mittermeier *et al.* 2004).

1.2 Birds of Arabia

There are 357 species of birds breeding within the assessment region. Of these, 28 species were excluded from this study as their distribution in the region is marginal. The remaining 329 species of breeding birds belong to 20 major groups, with the vast majority (48.9%) belonging to the order Passeriformes (Table 1).

Endemism is relatively low with only 26 (7.9%) species endemic to Arabia, as defined here: 14 of these species occur on the mainland, 10 on the Socotra archipelago and two are seabirds that are breeding endemics, including Jouanin's Petrel *Bulweria fallax*, only on Socotra. There is a concentration of endemic species in the highlands of SW Saudi Arabia and Yemen with some also occurring in the Dhofar mountains of Oman. Arabian Partridge *Alectoris melanocephala* and Arabian Wheatear *Oenanthe lugentoides* are more widespread and two species are restricted to the north of the region -Basra Reed Warbler *Acrocephalus griseldis* in the Iraq marshes and Syrian Serin *Serinus syriacus* in the western hills: both of these are assessed as Endangered.

A further nine species are considered near-endemics (defined as having \geq 70% of their global range in the region), including Crab Plover *Dromas ardeola* as a breeding near-endemic. Proposed taxonomic splits currently under consideration may increase the number of endemic and near-endemic forms: For example Green Bee-eater *Merops orientalis*, Sinai Rosefinch *Carpodacus synoicus*, and Cinereous Bunting *Emberiza cineracea*. The same taxonomic review may also result in Barbary Falcon *Falco pelegrinoides* being lumped with Peregrine *F. peregrinus*. Table 2 lists the endemic and near-endemic species and Appendix 3 shows the distributions of endemic and near-endemic species occurring in the region.

It is important to note that there is a high proportion of regional endemics and near-endemics within the small number of species belonging to the orders; Procellariiformes

Table 1.	Diversity and	endemism in	breeding birds	orders in the	Arabian region

Order	No. of species	Number of endemics	Number of near-endemics	Percentage endemic
Struthioniformes	1	0	0	0.0%
Podicipediformes	2	0	0	0.0%
Procellariiformes	2	1	0	50.0%
Pelecaniformes	7	1	0	14.3%
Ciconiiformes	18	0	0	0.0%
Phoenicopteriformes	1	0	0	0.0%
Anseriformes	5	0	0	0.0%
Falconiformes	26	1	0	3.8%
Galliformes	9	2	1	33.3%
Gruiformes	2	0	0	0.0%
Charadriiformes	34	0	1	2.9%
Pterocliformes	6	0	0	0.0%
Columbiformes	11	0	0	0.0%
Cuculiformes	5	0	0	0.0%
Strigiformes	12	1	1	16.7%
Caprimulgiformes	4	0	0	0.0%
Apodiformes	6	0	0	0.0%
Coraciiformes	14	0	0	0.0%
Piciformes	3	1	0	33.3%
Passeriformes	161	19	6	15.5%
	329	26	9	10.6%

(tube-nosed seabirds) (2 species, 1 endemic), Galliformes (chicken-like birds) (9 species, 3 endemic), and Piciformes (woodpeckers and relatives) (3 species, 1 endemic).

1.3 Conservation status

One of the most widely used indicators for assessing the health of ecosystems and their biodiversity is the conservation status of plants and animals. It is also an important component of priority-setting exercises for species conservation. At the global level, the best source of information on the conservation status of plants and animals is the IUCN Red List of Threatened Species (IUCN, 2012). Taxa that have been evaluated using the IUCN Red List Categories and Criteria: Version 3.1 (IUCN, 2001) (http://www.iucnredlist.org/technical-documents/ categories-and-criteria) are included on the Red List, along with details of their taxonomy, distribution information (including a range map), population status, habitat and ecology, threats, utilization and conservation measures in place and needed. The IUCN Red List Categories and Criteria is designed to determine the relative risk of extinction, with the main purpose of highlighting those taxa that are facing a higher risk of global extinction (i.e., those listed as Critically Endangered, Endangered and Vulnerable). Species in these three categories are collectively referred to as 'threatened'.

1.4 Objectives of the assessment

This assessment has two main objectives:

- To assist in regional conservation planning by assessing the status and distribution of all species occurring within the region; and
- To develop a network of regional experts to support future assessments and the updating of the information on these species.

The assessment provides two main direct outputs:

- A report on the status of the breeding birds of the Arabian region, including a Red List assessment of all the species, an identification of the main threats for each species, and a spatial representation of the centres of species richness and threats;
- A database that provides a baseline for monitoring the status of the breeding birds of Arabian Peninsula. The data presented in this report and the booklet provides a snapshot based on available knowledge at the time of writing.

The database will continue to be updated and made freely and widely available. BirdLife International will ensure wide dissemination of this data to relevant decision makers, NGOs, and scientists to inform the implementation of conservation actions on the ground.



Arabian Bustard *Ardeotis arabs* is Critically Endangered due to a very rapid population decline and with fewer than 50 breeding females remaining . © Richard Porter.

		Regional Red List				
Common Name	Species name	Category & Criteria	Population Trend	range		
Mainland endemics						
Arabian Partridge	Alectoris melanocephala	LC	Increasing	100		
Philby's Partridge	Alectoris philbyi	LC	Decreasing	100		
Arabian Woodpecker	Dendrocopos dorae	VU A2ac+A3c+A4c	Decreasing	100		
Arabian Wheatear	Oenanthe lugentoides	LC	Decreasing	100		
Yemen Thrush	emen Thrush Turdus menachensis LC		Decreasing	100		
Yemen Accentor	Prunella fagani	NT	Decreasing	100		
Basra Reed-warbler	Acrocephalus griseldis	EN B2ab(i,ii,iii,iv,v)	Unknown	100		
Yemen Warbler	Sylvia buryi	NT	Decreasing	100		
Syrian Serin	Serinus syriacus	EN A2acd+A3cd+A4acd	Decreasing	100		
Olive-rumped Serin	Serinus rothschildi	LC	Decreasing	100		
Yemen Serin	Serinus menachensis	LC	Increasing/stable	100		
Yemen Linnet	Carduelis yemenensis	LC	Stable	100		
Arabian Waxbill	Estrilda rufibarba	LC	Stable/decreasing	100		
Arabian Grosbeak	Rhynchostruthus percivali	NT	Decreasing	100		
Breeding endemic seabird						
Socotra Cormorant	Phalacrocorax nigrogularis	VU A2acd+3cd+4acd	Decreasing	100		
Iouanin's Petrel	Bulweria fallax	NT	Unknown	100		
Socotra endemics						
Socotra Buzzard	Buteo socotraensis	VU D1	Stable	100		
Socotra Scops Owl	Otus socotranus	LC	Stable/increasing	100		
Socotra Starling	Onychognathus frater	LC	Stable	100		
Socotra Sunbird	Nectarinia balfouri	LC	Stable/increasing	100		
Island Cisticola	Cisticola haesitatus	NT	Stable	100		
Socotra Warbler	Incana incana	LC	Stable	100		
Socotra Sparrow	Passer insularis	LC	Stable	100		
Abd Al Kuri Sparrow	Passer hemileucus	VU D1	Stable	100		
Socotra Grosbeak	Rhynchostruthus socotranus	LC	Stable	100		
Socotra Bunting	Emberiza socotrana	NT	Stable	100		
Near-endemic species				100		
Arabian Babbler	Turdoides squamiceps	LC	Increasing	98.18		
Tristram's Starling	Onychognathus tristramii	LC	Stable	98.09		
White-spectacled Bulbul	Pycnonotus xanthopygos	LC	Increasing	91.44		
Hume's Owl	Strix butleri	LC	Stable?	86.34		
raq Babbler	Turdoides altirostris	LC	Increasing	86.08		
Sand Partridge	Ammoperdix heyi	LC	Decreasing	80.08		
Arabian Golden Sparrow	Passer euchlorus	LC	Stable	76.43		
Crab Plover	Dromas ardeola	VU D1		70.43		
Palestine Sunbird	Nectarinia osea	LC	Decreasing Increasing	72.27		

Table 2. Endemic and near-endemic breeding bird species in the assessment region.

The Collared Kingfisher (*Todiramphus chloris*) has a restricted range in Arabia occupying mangrove swamps. It is categorized regionally as Vulnerable, but the Kalba subspecies (*T. c. kalbaensis*) is classified as Critically Endangered. © Ahmed Al Ali.

2. Assessment methodology

2.1 Global and regional assessments

This was primarily an assessment of the regional conservation status of all bird species breeding in the Arabian region. The status of each species was assessed according to the *IUCN Red List Categories and Criteria. Version 3.1* (IUCN 2001) and the *Guidelines for Application of IUCN Criteria at Regional Levels* (IUCN 2003).

2.2 Taxonomic scope

All native bird species known to breed in the Arabian region were included in the assessment. Species that are vagrant or of marginal or uncertain occurrence, were classed as Not Applicable. Several local subspecies and forms have been recognized. Two of them, Asir Magpie *Pica pica asirensis* and Kalba Kingfisher *Todiramphus chloris kalbensis*, have also been given a separate assessment alongside the full species.

Non-native species that have established breeding populations derived from escapes, deliberate introductions or arrival on ships (Jennings 2010, Porter & Aspinall 2010) were not individually assessed as part of this project. Some of these species are very invasive and damaging to indigenous biodiversity, notably the House Crow *Corvus splendens* and Common Myna *Acridotheres tristis*. For more details on non-native species in the Arabian Peninsula see Jennings (2010). The House Crow has since been eliminated from Socotra (Suleiman and Taleb 2010), an important measure in conserving the island's unique biodiversity. Several escaped cage birds have established populations, particularly in the UAE.

The list also includes 28 breeding species that were considered Not Applicable for regional assessment because their occurrence in the region is marginal or there are no recent confirmed records. One newly described species that was described after the workshop, Omani Owl *Strix omanensis* (Robb *et al.* 2013), was not assessed; this has since been shown to be *Strix butleri* (Robb *et al.* 2015).

2.3 Preliminary assessments and review process

A provisional list of birds breeding in the region was compiled prior to the workshop by Andy Symes and Joe Taylor (BirdLife International) from the IUCN Red List database, together with information on their global Red List category, status, population trend, countries of occurrence, and proportion of global range in the region and generation length.

The provisional species list was reviewed at the beginning of the workshop and those species not confirmed as breeding in the region were omitted. The 357 species that remained were assessed by two working groups, with a final collective session held to resolve outstanding issues and assess the regionally endemic species.

Key supplementary information on distribution, status and population estimates were obtained from the Atlas of the Breeding Birds of Arabia (Jennings 2010) and the second edition of the *Field Guide to the Birds of the Middle East* (Porter & Aspinall 2010). Recent checklists of the birds of Iraq (Salim *et al.* 2013) and Syria (Murdoch & Betton 2008) were used as the basis for those countries. Up to date status reports were provided for Jordan (RSCN 2013) and Socotra (Porter and Suleiman 2013, 2014).

Following the workshop, the assessments were reviewed and supplementary information added from recent publications where appropriate and any remaining issues resolved through communications with workshop participants.

3. Results

A full list of the breeding bird species from the Arabian Region, their regional IUCN Red List status, criteria, and a summary justification is given in Appendix 2. The list also includes 28 breeding species that were considered Not Applicable for regional assessment because their occurrence in the region is marginal or there are no recent confirmed records. The number of species in the different IUCN Red List Categories is shown in Figure 2 and Table 3. In summary, seven species were categorized as regionally Critically Endangered (CR), 21 species are Endangered (EN) and 21 Vulnerable (VU). Altogether, 49 species (c.15%) fall into one of these three categories which are collectively regarded as 'threatened'. The distribution of threatened species is shown in Figure 4. A further 31 species are Near Threatened (NT) and 247 (c.75%) of the 329 species assessed were Least Concern (LC), the lowest category of threat. One species (Ostrich) is Regionally Extinct and one (Eurasian Penduline-tit) is Data Deficient. Species classed as threatened (Critically Endangered, Endangered and Vulnerable) and Near Threatened are listed in Table 4.

Of the seven species categorized as regionally Critically Endangered (CR) two are falcons (*Falco biarmicus* and *F. cherrug*), which are highly sought-after for falconry, and two are bustards, including the iconic Houbara *Chlamydotis*

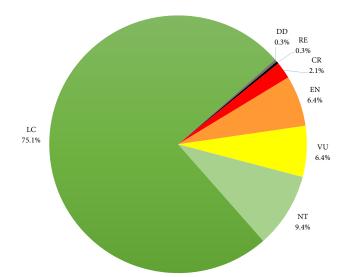


Figure 2. The number of species regionally assessed in the different Red List categories (RE = Regionally Extinct; CR = Critically Endangered; DD = Data Deficient; EN = Endangered; VU = Vulnerable; NT = Near Threatened; LC = Least Concern).

undulata, which are heavily exploited, also by falconers.

Breeding birds of the Arabian region belong to 20 taxonomic orders and considerable differences exist among these groups in both species numbers as well as threatened status (see Table 5). Passeriformes constitute the majority of breeding birds. Pelecaniformes (71.4%), Anseriformes (80%), Falconiformes(65.4%), and Gruiformes (100%) are particularly threatened.

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Table 3	Summary	vof the Red	List status	for all of the	breeding	birds of the <i>i</i>	Arabian region.
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		Global Red	Regional Red
	IUCN Red List categories	List 2012	List 2013
	Extinct (EX)	0	0
	Extinct in the Wild (EW)	0	1
	Critically Endangered (CR)	1	7
Threatened Categories	Endangered (EN)	4	21
Categories	Vulnerable (VU)	11	21
	Near Threatened (NT)	10	31
	Least Concern (LC)	302	247
	Data Deficient (DD)	0	1
	Not Evaluated (NE)	0	0
	Total number of breeding birds assessed	329	329

Common Name	Scientific Name	Order	Regional Status	Criteria	Endemic
Northern Bald Ibis	Geronticus eremita	Ciconiiformes	CR	D, C2a(i), (ii), B1+2 ab(v)	
African Darter	Anhinga rufa	Pelecaniformes	CR	C2a(ii)	
Lanner Falcon	Falco biarmicus	Falconiformes	CR	C2a(ii). EN A2,3,4, D1.	
Saker Falcon	Falco cherrug	Falconiformes	CR	C1, C2a(ii), D	
Arabian Bustard	Ardeotis arabs	Gruiformes	CR	A2,A3,A4abd; C2aii. Perhaps also D and C2ai and C1?	
Houbara Bustard	Chlamydotis undulata	Gruiformes	CR	A2,A3,A4abd. probably C1	
Brown Fish-owl	Ketupa zeylonensis	Strigiformes	CR		
Black Francolin	Francolinus francolinus	Galliformes	EN	A2bd	
White-headed Duck	Oxyura leucocephala	Anseriformes	EN	D	
African Sacred Ibis	Threskiornis aethiopicus	Ciconiiformes	EN	D	
Yellow Bittern	Ixobrychus sinensis	Ciconiiformes	EN		
Goliath Heron	Ardea goliath	Ciconiiformes	EN	D	
Sooty Falcon	Falco concolor	Falconiformes	EN	D1	
Peregrine Falcon	Falco peregrinus	Falconiformes	EN	D1	
Griffon Vulture	Gyps fulvus	Falconiformes	EN	A2ae	
Tawny Eagle	Aquila rapax	Falconiformes	EN	C2a(ii)	
Golden Eagle	Aquila chrysaetos	Falconiformes	EN	C2a(i)	
Verreaux's Eagle	Aquila verreauxii	Falconiformes	EN	D	
Sooty Tern	Sterna fuscata	Charadriiformes	EN	D	
Black-bellied Sandgrouse	Pterocles orientalis	Pterocliformes	EN	C2a(ii)	
African Olive-pigeon	Columba arquatrix	Columbiformes	EN	D	
Collared Kingfisher	Todiramphus chloris	Coraciiformes	EN	A2c+3c+4c; B2abi,ii,iii, iv,v	
Basra Reed-warbler	Acrocephalus griseldis	Passeriformes	EN	B2ab(i,ii,iii,iv,v)	YES
Sykes's Warbler	Hippolais rama	Passeriformes	EN	D	
Oriental White-eye	Zosterops palpebrosus	Passeriformes	EN	D	
Red-rumped Wheatear	Oenanthe moesta	Passeriformes	EN	D1	
Syrian Serin	Serinus syriacus	Passeriformes	EN	A2acd+A3cd+A4acd	YES
European Goldfinch	Carduelis carduelis	Passeriformes	EN	A2bd+3d+4bd	
Helmeted Guineafowl	Numida meleagris	Galliformes	VU	A2b,d (+3b,d+4b,d?)	
Hamerkop	Scopus umbretta	Ciconiiformes	VU	C2a(ii)	
Pink-backed Pelican	Pelecanus rufescens	Pelecaniformes	VU	C2a(ii)	
Pygmy Cormorant	Phalacrocorax pygmeus	Pelecaniformes	VU	C1	
Socotra Cormorant	Phalacrocorax nigrogularis	Pelecaniformes	VU	A2acd+A3cd+A4acd	YES
Barbary Falcon	Falco pelegrinoides	Falconiformes	VU	A2ad	
Black-winged Kite	Elanus caeruleus	Falconiformes	VU	D1	
Lammergeier	Gypaetus barbatus	Falconiformes	VU	D1	
Egyptian Vulture	Neophron percnopterus	Falconiformes	VU	A2ae	
Lappet-faced Vulture	Torgos tracheliotos	Falconiformes	VU	D1	
Short-toed Snake-eagle	Circaetus gallicus	Falconiformes	VU	D1	
Socotra Buzzard	Buteo socotraensis	Falconiformes	VU	D1	YES
Crab Plover	Dromas ardeola	Charadriiformes	VU	C1	>70% GF
Roseate Tern	Sterna dougallii	Charadriiformes	VU	D1	
Arabian Woodpecker	Dendrocopos dorae	Piciformes	VU VU	A2ac+3c+4ac	YES
Middle Spotted Woodpecker	Dendrocopos medius	Piciformes	VU VU	C2a(i)	11.5
White-throated Dipper	Cinclus cinclus	Passeriformes	VU VU	D1	
Abd Al Kuri Sparrow	Passer hemileucus	Passeriformes	VU VU	D1 D1	YES
Richard's Pipit	Anthus richardi	Passeriformes	VU VU	D1 D1	115

Table 4. Threatened and Near Threatened breeding birds in the assessment region

Table 4. Threatened and Near Threatened breeding birds in the assessment region continue
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Common Name	Scientific Name	Order	Regional Status	Criteria	Endemio
Fire-fronted Serin	Serinus pusillus	Passeriformes	VU	D1	
Asian Crimson-winged Finch	Rhodopechys sanguineus	Passeriformes	VU	D1	
Marbled Duck	Marmaronetta angustirostris	Anseriformes	NT	C2aii	
Red-crested Pochard	Netta rufina	Anseriformes	NT	D1, C2a(i)	
Ferruginous Duck	Aythya nyroca	Anseriformes	NT	C2a(i)	
Jouanin's Petrel	Bulweria fallax	Procellariiformes	NT	D2	YES
Abdim's Stork	Ciconia abdimii	Ciconiiformes	NT	D1	
White Stork	Ciconia ciconia	Ciconiiformes	NT	D1	
Grey Heron	Ardea cinerea	Ciconiiformes	NT	D1	
Purple Heron	Ardea purpurea	Ciconiiformes	NT	D1	
Masked Booby	Sula dactylatra	Pelecaniformes	NT	D2	
Lesser Kestrel	Falco naumanni	Falconiformes	NT	D1	
Western Marsh-harrier	Circus aeruginosus	Falconiformes	NT	D1	
Water Rail	Rallus aquaticus	Charadriiformes	NT	D1	
Pied Avocet	Recurvirostra avosetta	Charadriiformes	NT	D1	
Greater Sand Plover	Charadrius leschenaultii	Charadriiformes	NT	D1	
Great Spotted Cuckoo	Clamator glandarius	Cuculiformes	NT	D1	
Common Cuckoo	Cuculus canorus	Cuculiformes	NT	D1	
Klaas's Cuckoo	Chrysococcyx klaas	Cuculiformes	NT	D1	
European Roller	Coracias garrulus	Coraciiformes	NT	D1	
Common Kingfisher	Alcedo atthis	Coraciiformes	NT	D1	
Horned Lark	Eremophila alpestris	Passeriformes	NT	D1	
Island Cisticola	Cisticola haesitatus	Passeriformes	NT	C2a(ii)	YES
Moustached Warbler	Acrocephalus melanopogon	Passeriformes	NT	D1	
Yemen Warbler	Sylvia buryi	Passeriformes	NT	A2c+3c+4c	YES
Black Redstart	Phoenicurus ochruros	Passeriformes	NT	D1	
Common Redstart	Phoenicurus phoenicurus	Passeriformes	NT	D1	
Rufous-tailed Rock-thrush	Monticola saxatilis	Passeriformes	NT	D1	
Yemen Accentor	Prunella fagani	Passeriformes	NT	C2a(ii)	YES
Grey Wagtail	Motacilla cinerea	Passeriformes	NT	D1	
Arabian Grosbeak	Rhynchostruthus percivali	Passeriformes	NT	C2a(ii)	YES
Ortolan Bunting	Emberiza hortulana	Passeriformes	NT	D1	
Socotra Bunting	Emberiza socotrana	Passeriformes	NT	B1+2ab	YES



While there is no evidence of vulnerability to Diclofenc in the region there is real concern for vultures in Arabia due to declining populations; with both the Lappet-faced Vulture *Torgos tracheliotos* (above) and the Egyptian Vulture *Neophron percnopterus* (below) assessed as Vulnerable. Both photographs © Ahmed Al Ali.



Table 5.	Regional Red List status by taxonomic order
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	Number of				Status				% Threatened or
Order	Species	RE	CR	EN	VU	NT	LC	DD	Near Threatened
Struthioniformes	1	1	0	0	0	0	0	0	0.0%
Podicipediformes	2	0	0	0	0	0	2	0	0.0%
Procellariiformes	2	0	0	0	0	1	1	0	50.0%
Pelecaniformes	7	0	1	0	3	1	2	0	71.4%
Ciconiiformes	18	0	1	3	1	4	9	0	50.0%
Phoenicopteriformes	1	0	0	0	0	0	1	0	0.0%
Anseriformes	5	0	0	1	0	3	1	0	80.0%
Falconiformes	26	0	2	6	7	2	9	0	65.4%
Galliformes	9	0	0	1	1	0	7	0	22.2%
Gruiformes	2	0	2	0	0	0	0	0	100.0%
Charadriiformes	34	0	0	1	2	3	28	0	17.6%
Pterocliformes	6	0	0	1	0	0	5	0	16.7%
Columbiformes	11	0	0	1	0	0	10	0	9.1%
Cuculiformes	5	0	0	0	0	3	2	0	60.0%
Strigiformes	12	0	1	0	0	0	11	0	8.3%
Caprimulgiformes	4	0	0	0	0	0	4	0	0.0%
Apodiformes	6	0	0	0	0	0	6	0	0.0%
Coraciiformes	14	0	0	1	0	2	11	0	21.4%
Piciformes	3	0	0	0	2	0	1	0	66.7%
Passeriformes	161	0	0	6	5	12	137	1	14.3%
	329	1	7	21	21	31	247	1	24.3%



Sykes's Warbler *Iduna rama* is widely distributed in western and central Asia, but in Arabia is only known to breed in the mangroves in Khor Kalba; on the east coast of the UAE. © Ahmed Al Ali.

Basra Reed-warbler *Acrocephalus griseldis* is concentrated in the southern and central marshes of Iraq. It is currently categorized as Endangered.. © Mudhafar Salim.

4. Conclusions

4.1 Conservation priorities

The regional assessment of breeding birds benefited greatly from the amount of recent attention given to the birds of this region and in particular the ABBA project, so ably coordinated by Mike Jennings. This assessment has revealed that around 25% of breeding birds in the Arabian Peninsula are threatened (Critically Endangered, Endangered, Vulnerable) or Near Threatened, according to the IUCN Categories and Criteria. Of the remainder, 247 species are assessed as Least Concern and one as Data Deficient. Figures 3 and 4 provide an overview of the areas of species richness for endemic species and threatened species, respectively. The Socotra archipelago harbours 10 endemic breeding birds. Of these 10 species, two are categorized as Vulnerable and two as Near Threatened, with the remaining six species Least Concern. Thus the endemic avifauna is not highly threatened, overall, at present. However, these islands remain of exceptional conservation importance for birds and many other endemic species (e.g. reptiles – see Cox *et al.* 2012) and they require special conservation attention in order to safeguard this unique fauna in the medium to long-term.

A second area of very high significance for endemic breeding birds is a relatively narrow band in the highlands of the southwest of the region, running through Asir in Saudi Arabia and western Yemen. Eight endemic breeding birds occur here,

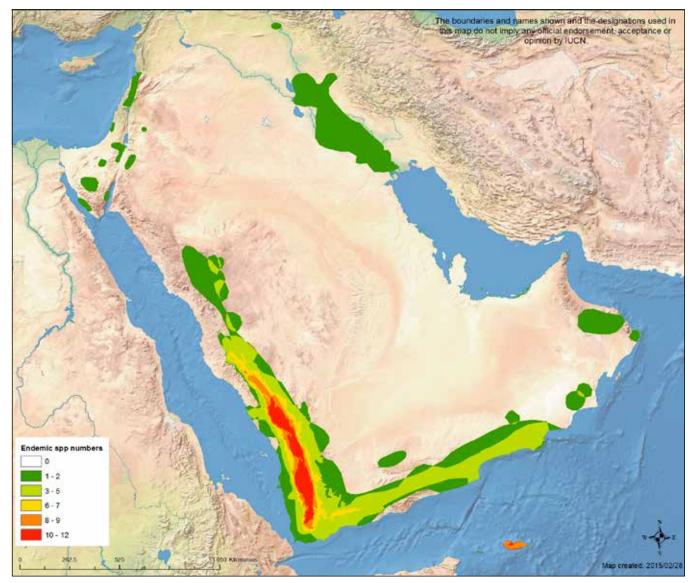


Figure 3. Species richness of endemic breeding birds of Arabia.

one is Vulnerable, three are Near Threatened and four Least Concern. Therefore, as with Socotra, levels of threat to the endemic species may not appear particularly high at this time, but these mountains also harbour non-endemic breeding species that are threatened and have wide importance for biodiversity conservation. It is therefore essential to conduct systematic monitoring of species' status and threats, such as shortage of water and consequent effects on vegetation, climate change, and tree cutting. The Tigris and Euphrates valleys also hold many threatened species, especially in the Iraq marshes, which represent a unique ecosystem and are an internationally important site for biodiversity conservation.

4.2 Application of project outputs

The outputs of this assessment can be used to inform conservation measures for individual species and suites of species. They can also be applied at the regional scale to assist governments and organizations, such as IUCN, to identify important sites for conservation, including Key Biodiversity Areas, at national or regional scales.

4.3 Future work

If the information on the breeding birds of the Arabian Peninsula is to be effectively integrated within the development or environmental planning process then:

- The data collated will need to be maintained and updated regularly through on-going collaboration with the network of experts who have contributed their valuable time to this project, and others;
- Links between IUCN and its partners and decision and policy makers and regional decision makers and policy makers must be maintained and strengthened and the

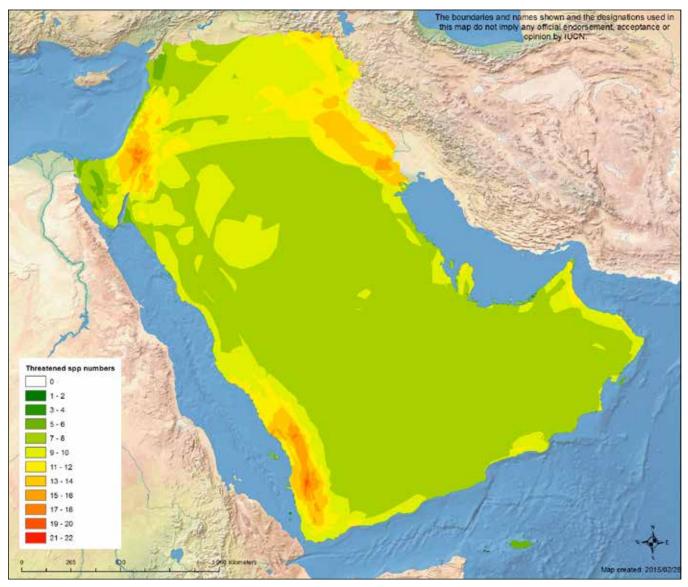
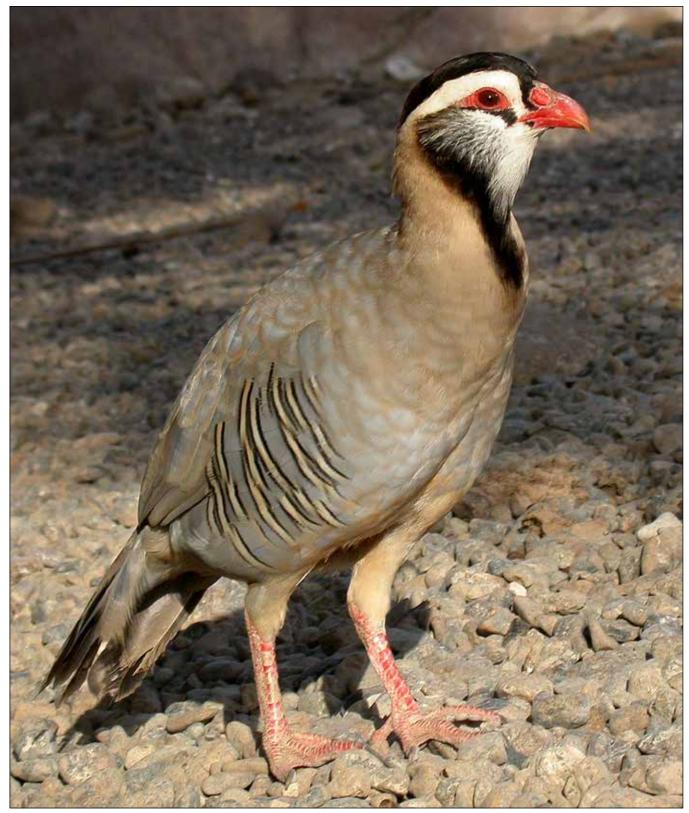


Figure 4. Species richness of threatened breeding birds of Arabia.

data must be made freely available to these people and/ or organizations; and

• A "best practice" methodology for the process of integrating biodiversity information within the environmental/development planning process needs

to be developed. It is important that this methodology aims to provide the information in a "user-friendly" format for all stakeholders and provides guidelines as to when and where the information should appropriately be made available.



The Arabian Partridge *Alectoris melanocephala* is endemic to southwestern Arabia and southern Oman. Classified as Least Concen as population is increasing. © Jane and Kevin Budd.

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The Arabian Woodpecker *Dendrocopos dorae* is Vulnerable on the Arabian Peninsula and in decline due to habitat loss and degradation. © Richard Porter

Appendix 1. Participants List

BahrainAide Mohammed AI AwadhiDirectorate of Protected AreasIraqMudhafa SalimNature IraqJordanSharif al JbourBird Life InternationalJordanSahif al JbourBird Life InternationalJordanSaha BebbehaniThe Scientific Centre, KuwaitKuwaitMike PopeKuwait Ornithological Records CommitteeOmanHusam AI-AsfoorRoyal Court AffairsOmanHusam AI-AsfoorRoyal Court AffairsOmanMahnood AlabriRoyal Court AffairsOmanMahned Abdullah AI FazariOffice for Conservation of the Environment, Diwan of the Royal CourtQatarConwell PurchaseAl Wabra Wildlife PreservationSaudi ArabiaMohammed ShobrakTaif UniversitySaudi ArabiaMohaf AlashidiUniversity of HailYariaNabed AsswadoDubai MunicipalityUAEJerue Cabadonga AgubobDubai MunicipalityUAEHasan Zain AlsharifDubai MunicipalityUAENahed AlahiEnvironment Agency - Abu DhabiUAENahed AlahiEnvironment Agency - Abu DhabiUAENahed RobrakInvironment Agency - Abu DhabiUAENahed RobrakMater Annoneula AssociatesUAENahed RobrakSindi Environmental SasociatesUAENahed RobrakSindi Environmental AssociatesUAENahe KabshawiMater Annoneula AssociatesUAENahe KabshawiSindi Environmental SasociatesUAENahe KabshawiSindi Environmental Associates	Algeria	Boudjema Samraoui	University of Guelma
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	UK	David Mallon	Manchester Metropolitan University
Yemen Omar Al-Saghier UNDP Global Environmental Facility, Small Grants Program	Yemen	Masaa Mahdi Al Jumaily	Sana'a University
	Yemen	Omar Al-Saghier	UNDP Global Environmental Facility, Small Grants Program

Appendix 2. Regional Red List assessments of the breeding birds of the Arabian Region

Reg cat = Regional Red List category; Reg adj = regional adjustment to category due to potential rescue effect (IUCN 2003); Criteria = RL criteria (IUCN 2001); In Notes/Justification column, 'ABBA' = Atlas of the Breeding Birds of Arabia (Jennings 2010).

Ostrich The form <i>S. c. syriacus</i> was forme	Struthio camelus	DE			
The form S. c. syriacus was forme		RE			
	rly quite widely distributed in the	region but	became ext	inct during the 20th cent	ury (del Hoyo et al. 1992, Jennings 1996).
			41 and 196	6 (Andrews 1995). The N	E African form S.c. camelus has been
reintroduced into Mahazat as-Say	rd Reserve in Saudi Arabia (125-1	50 birds).		-	
Helmeted Guineafowl	Numida meleagris	VU		A2b,d (+3b,d+4b,d?)	Declining
2,000 pairs (ABBA) but declining			-	-	
					Saudi Arabia; not as many seen in
				-	nated at >30% (but less than 50%) over
populations but not formally nam		Little or no	rescue effe	ct. Some morphological	differences noted compared to African
Chukar	Alectoris chukar	LC			Declining
			h and Tand	an but not an augh four N	0
6,000 pairs (ABBA) plus birds in	-		la and jord	an, but not enough for N	•
Philby's Partridge	Alectoris philbyi	LC			Declining
ENDEMIC. 50,000 mature individ				C	0 0 0
of a pest, and thus persecuted.	Surist complexes in Saudi Arabia	and near edg	ge of Sanaa	i city; still plenty of agrici	ultural areas in Yemen; considered a bit
Arabian Partridge	Alectoris melanocephala	LC			Increasing
e	1		introduce	d into northern Oman an	d UAE. Captive bred birds released into
areas for hunting; probably increa		ian, possibly	mnouuce	a into northern Onlan an	in OAE. Captive bred birds released into
See-see Partridge	Ammoperdix griseogularis	LC			Stable?
Widespread and numerous in the			bers are no	ot decreasing in e.g. lowla	
Sand Partridge	Ammoperdix heyi	LC		88	Declining
0	. ,		PAs in Ioro	dan: very susceptible to h	unting as it lives at lower elevations
compared to other partridges. De		-			
Black Francolin	Francolinus francolinus	EN		A2bd	Declining
Big decline throughout regional r	,	nunting and	destruction	n of riparian habitats. De	cline estimated at least 50% in trend
		-			ons, hunters' reports. Observed reduction
in extent of riparian habitats/thick		-			-
Grey Francolin	Francolinus pondicerianus	LC			Increasing
Probably introduced before 1880	and now up to 70,000 pairs and in	ncreasing (A	BBA). LC	if native, NA if not.	
Common Quail	Coturnix coturnix	LC			Stable (or Increasing)
6,000 pairs in Saudi Arabia, c.1,00	00 pairs in Iraq. Widely bred in ca	ptivity and	probably in	creasing as a result. The a	area of irrigated fields is increasing.
Trapped in nets in large numbers					
Ruddy Shelduck	Tadorna ferruginea	LC			Stable
1000 pairs in Iraq and Syria.					
Marbled Duck	Marmaronetta angustirostris	NT	у	C2aii	Declining
	s and Euphrates, draining of wet	lands. Some	hunting -	one of three most abunda	rojected continuing decline based unt duck species on Iraqi Marshes in

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Red-crested Pochard	Netta rufina	NT	у	D1, C2a(i)	
One confirmed breeding rec	ord in Syria, 2004-09; <500 pairs i	n Iraq, so total n	nature indi	viduals <1,000. VU D1	-> NT. Also VU C2a(i), With rescue effect
- NT. Drainage and reduced	flows due to dams are bigger threa	ts than hunting	<u>.</u>		
Ferruginous Duck	Aythya nyroca	NT	У	C2a(i)	Declining
<500 pairs in Iraq. Very few effect - NT.	in Syria. Bred in Saudi Arabia in 1	983. 4.5% of glo	bal range v	vithin region. Decline	estimated at >20%; VU C2a(i), with rescue
White-headed Duck	Oxyura leucocephala	EN	у	D	Stable/declining
3 nests in Syria, so <10 matu	re individuals. CR D + regional ad	ljustment = EN I	D.		
Persian Sheawater	Puffinus persicus	LC			
40,000 pairs (ABBA; but may	y be 100,000 pairs). R. Porter estim	nates >10,000 on	Socotra in	n c.10 breeding coloni	es. Exploited but impact believed to be low.
Introduced predators are not	t a threat on Socotra. Impact of fut	ure coastal deve	lopments o	on breeding colonies n	eeds watching
Jouanin's Petrel	Bulweria fallax	NT		D2	Unknown
BREEDING ENDEMIC TO development. NT D2.	SOCOTRA. 3,000 pairs (ABBA); ⁶	at-sea' threats u	nknown. C	olonies vulnerable to i	ntroduced predators (rats, cats) and
Little Grebe	Tachybaptus ruficollis	LC	•		Increasing
Opportunistic breeder. Incre	asing in Syria and Jordan. 1,700 pa	airs (ABBA), plu	ıs 2,000 pai	irs in Iraq; more in Syr	ia and Jordan.
Great Crested Grebe	Podiceps cristatus	LC	y		Stable/increasing
<1,200 mature individuals in	region including <100 pairs in Ir	aq; NT (close to	•	+ Regional adjustment	•
Greater Flamingo	Phoenicopterus roseus	LC	,		
200-2,000 pairs in Arabian P	•	vria in 2009; nil	in 2008. c	. 6,000 in Oman. Large	e annual fluctuations in breeding. Many
	haps > 10,000 mature individuals i			, 0	0 7
Abdim's Stork	Ciconia abdimii	NT	у	D1	Declining
Only 4 in Saudi Arabia; c.60 under C1 EN, then regional		0 = VU D1. + Re	escue = NT	. Big decline in recent	years; this might warrant a higher category
White Stork	Ciconia ciconia	NT	у	D1	Stable
700 mature individuals. VU	D1 + Regional adjustment = NT.				
African Sacred Ibis	Threskiornis aethiopicus	EN		D	Stable/increasing
Breeds in SW Yemen - c.30 r	nature individuals; Iraq 100-150. S	o <200 mature i	ndividuals	in region. EN D. Reso	cue effect low. Feral breeding in UAE.
Northern Bald Ibis	Geronticus eremita	CR		D, C2a(i), (ii), B1+2	ab(v) Declining
2-3 pairs Syria. CR D, C2a(i)	(ii). Rescue effect low / nil				
Glossy Ibis	Plegadis falcinellus	LC	y (by 2)	D1	Possibly expanding and increasing
<200 pairs breeding in Iraq.	Not confirmed in Syria. A few pair	rs in Arabian Per	ninsula. VI	U D1 but downlisted b	y two categories due to rapidly expanding
global population and very h					
Eurasian Spoonbill	Platalea leucorodia	LC	у	D1	Stable?
Breeding population c. 1,050	; NT (close to VU D1) + Regional	adjustment = L	С		
Little Bittern	Ixobrychus minutus	LC			Increasing
> 1,000 mature individuals, i	ncreasing.				
Yellow Bittern	Ixobrychus sinensis	EN	у		unknown
<12 pairs in coastal Oman; n GR? If assessed: CR D1 + Re		ment a definite t	hreat. Pro	bably also breeds on So	ocotra as juveniles are seen annually. 0.18%
Black-crowned Night-heron		LC			Increasing
-	in Qatar and c.60 pairs elsewhere.				
Striated Heron	Butorides striata	LC			Increasing?
Widespread breeder; 4,000-5	5,000 mature individuals. Increasir	ıg?			
Squacco Heron	Ardeola ralloides	LC			Stable
3,000 in Iraq plus c.25 pairs	elsewhere.				
Cattle Egret	Bubulcus ibis	LC			Increasing
-	Arabian Peninsula (ABBA) and in	ncreasing. Hunti	ng noted r	ecently in Saudi Arabi	0
Grey Heron	Ardea cinerea	NT	y	D1	Stable/increasing
			•		stimated in Saudi Arabia. <1,000, so VU
D1+ regional adjustment = 1					

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Goliath Heron	Ardea goliath	EN	у	D	Stable/unknown
20 pairs in Yemen, <5 pairs	in Iraq; <50 mature individuals. Thes	e are best pop	ulation esti	imates, but need ref	ining. CR D + regional adjustment = EN.
urple Heron	Ardea purpurea	NT	у	D1	Stable
00 pairs in Arabian Penins	sula (ABBA) + 200 pairs in Iraq, so 60	0 mature indi	viduals. VU	J D1 + regional adj	ustment = NT. 0.3% GR
ittle Egret	Egretta garzetta	LC			Stable
2,500 mature individuals i	in region; not declining.				
Vestern Reef-egret	Egretta gularis	LC	-		Stable
Videspread and not declin	ing.				
ed-billed Tropicbird	Phaethon aethereus	LC	-	-	Stable/declining
	region, probably an underestimate ac di Arabia, but no evidence of declines	-			n Socotra (Porter & Sulaiman in prep.).
Iamerkop	Scopus umbretta	VU		C2a(ii)	Declining
,000 pairs in Arabian Peni	nsula (ABBA). Seems to be declining	in Yemen and	Saudi Ara	bia. Wetland habita	ts declining due to conversion, degradation,
isturbance. VU C2a(ii). N	o significant rescue effect as no evider	nce to show di	spersal bet	ween African and A	arabian breeding sites.
ink-backed Pelican	Pelecanus rufescens	VU	у	C2a(ii)	Declining
00 pairs in Arabian Penins	sula (ABBA), including possibly 500 p	airs in Yemen	, but declir	ning. So c. 1,600 ma	ture individuals in region. EN C2a(ii) +
gional adjustment - VU. I	Live capture; pressure on mangroves p	olus coastal dev	velopment	are the main threat	S.
lasked Booby	Sula dactylatra	NT		D2	Stable
3,000 pairs (ABBA) but co plonisation from outside r		Negligible res	cue effect l	because any threat (e.g. arrival of cats) will prevent successful
rown Booby	Sula leucogaster	LC			Stable
3,000 pairs (ABBA). Not c	concentrated like Masked Booby, there	efore at much	less risk.		
ygmy Cormorant	Phalacrocorax pygmeus	VU		C1	Declining
p to 2,000 pairs in Iraq, ra	apid recent decline. Some in Syria. Tot	al <10,000 ma	ture indivi	duals and estimated	l >10% decline VU C1. No rescue effect.
ocotra Cormorant	Phalacrocorax nigrogularis	VU		A2acd+A3cd+A4	acd Declining
oordinated census over on	ds in 2006 but total including non-bre ne season. Threatened by introduced p rer 3 generations, but less than 50%.			-	cline from earlier numbers. Needs a nt, pollution, tourism and recreation. Declin
frican Darter	Anhinga rufa	CR		C2a(ii)	Declining
					nen stable for last few years. New 90 km
				-	ecent study ('chanteri'), and is same as was
,	srael; genetic studies to confirm this	-			
esser Kestrel	Falco naumanni	NT	У	D1	Declining
1 1 7 7		1	ary VU D	l, with regional adj	ustment to NT due to high rescue potential
ommon Kestrel	Falco tinnunculus	LC			Stable or increasing
/idespread, relatively com	mon and likely to be increasing with a	agriculture etc	•		
ooty Falcon	Falco concolor	EN		D1	Declining
lands following arrival of	foxes and rats. But 120 pairs and stab	ole along Arabi	an Red Sea	a coast. Better data	nan, 15% decline in 1 year on Damanyat on population size and trend are needed.
escue effect probably not	significant. Not of interest to falconers	s.	y EN C2a(pulation since all birds mix at the wintering s
anner Falcon	Falco biarmicus	CR		C2a(ii). EN A2,3,4	ç
	ll and unlikely to be rescued due to cu		-		n - old records only. Still seen in markets. tter enforcement it may be rescued by birds
aker Falcon		CR		C1, C2a(ii), D	
	<i>Falco cherrug</i>		line due t		ry (Salim at al 2012) CD C1 C2 (2) ()
kely D). No rescue effect a	as all populations are subject to same t	hreat			rry (Salim <i>et al.</i> 2013). CR C1, C2a(ii) (and
eregrine Falcon	Falco peregrinus	EN		D1	Stable/increasing
	n in prep.); 1 pair in Iraq; 2 locations in				ed 100 mature individuals (50 pairs) on in region. EN D1. No rescue effect. Socotra

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Barbary Falcon	Falco pelegrinoides	VU		A2ad	Declining
2,600 mature individuals in	Arabian Peninsula (ABBA), plus 3	0-50 pairs in Irac	l and Syria,	so <3,000 mature	individuals. Evidence of decline throughout
region due to capture for tra	de. 2004-2010: 30->10->1 (MSc st	udy). 30% declin	e suspected	over 19 years. Res	cue effect low, so no adjustment. May be
umped with Peregrine, in w	hich case the combined taxon will	need reassessme	nt.		
Dsprey	Pandion haliaetus	LC			Stable
1,700 mature individuals in	Arabian Peninsula. (ABBA). Thou	ght to be stable.	Threat - ne	st predation by whi	te-tailed mongoose.
Black-winged Kite	Elanus caeruleus	VU	у	D1	Increasing
0-20 pairs in Arabian Peni	nsula (ABBA). 10 pairs in Iraq. Pro	bably >50 matur	e individua	ls in region and exp	panding. D1 EN (<250 mature individuals) +
regional adjustment = VU					
Black Kite	Milvus migrans	LC			Stable/increasing
60,000 mature individuals ir	n Arabian Peninsula (ABBA); all bi	eeding birds in A	Arabian Per	insula are 'yellow-l	billed kite Milvus aegyptius'.
ammergeier	Gypaetus barbatus	VU	у	D1	Stable/declining
.00 mature individuals and	decreasing in Arabian Peninsula (A	ABBA); Populatio	on stable or	declining; <250 m	ature individuals so EN D + regional
djustment = VU	U .			0	C
Egyptian Vulture	Neophron percnopterus	VU		A2ae	Declining
		north = c. 5,000 i	n region. c	.1900 individuals e	estimated on Socotra, one of the highest
			-		.5% decline in one population in Saudi
	ected over past 42 years. Rescue ef			-	
Griffon Vulture	Gyps fulvus	EN		A2ae	Declining
0,000 mature individuals a	nd declining in Arabian Peninsula	(ABBA); increas	ing in Jorda	n; declining in Syr	ia (>50%), Yemen (>60%), and Saudi Arabia.
	U		0	e ,	at vulture species rely on one another for
-	ndary poisoning, decline in large c		-		
appet-faced Vulture	Torgos tracheliotos	VU		D1	Stable/declining
Only known in Arabia since	1980s (previously misidentified).	Some concentrat	ed in Prote	cted Areas – 20-30	pairs in some. No evidence of local
	1				2 individuals in 2007). Maximum 600 pairs
out maybe fewer? VU D1. R	escue effect not significant.				
Short-toed Snake Eagle	Circaetus gallicus	VU	у	D1	Stable
00-200 breeding adults in 1	egion? C.30 pairs in Jordan? 20-30	in Syria. Breeds	in N Iraq; I	Few breeding recor	ds from Arabian Peninsula; EN D (<250
nature indivuduals) + regio	nal adjustment = VU D1				
Western Marsh-harrier	Circus aeruginosus	NT	у	D1	Stable
.00-250 pairs breed in south	nern Iraq. Formerly bred Syria. VU	D1 + regional ad	djustment =	= NT. Common miş	grant through region.
Dark Chanting-goshawk	Melierax metabates	LC			Probably stable
00	and southern Saudi Arabia (ABBA). Not threatened	l by trappin	g as not valuable -	•
Gabar Goshawk	Melierax gabar	LC	- /	8	Probably stable
	0		hraatanad k	w tranning as not u	aluable - most birds that are trapped get
eleased	more, as less conspicuous man <i>m</i> .	metabales. Not t	ineateneu t	by trapping as not v	aluable - most birds that are trapped get
hikra	Accipiter badius	LC	37		Probably stable
	*		y na wat A faw		•
	aps more. Now found in Kuwait bu on. Not threatened by trapping as	•	•	-	oai but probably feral. Maybe NT under D1 b
			ost birds tra	ippeu are released.	
Common Buzzard	Buteo buteo	LC		1. Tura (1. 11. 1	Stable
		i. >1,000 mature	maividuals	in iraq; not declini	ing. 0.004% of glob range in region. Birds in
raq show some morphologi	•	10			Ct. 11.
Long-legged Buzzard	Buteo rufinus	LC	1		Stable
	Arabian Peninsula (ABBA); c.2,00	0 mature individ	uals in Iraq	, Syria and Jordan,	so <10,000 mature individuals in total. No
lecline.	D	·		Di	0.11
ocotra Buzzard	Buteo socotraensis	VU		D1	Stable
	ter & Sulaiman in prep.); no comp		ng or trapp		-
Tawny Eagle	Aquila rapax	EN		C2a(ii)	Declining
	rabian Peninsula (ABBA); stable ir	n Yemen, but tho	ught to be d	leclining overall; El	N C2a(ii) (VU D1); rescue effect unlikely. 0.4
GR.					
Golden Eagle	Aquila chrysaetos	EN		C2a(i)	Declining

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
/erreaux's Eagle	Aquila verreauxii	EN		D	Increasing
20 mature individuals in Ar	abian Peninsula (ABBA); none in	Syria and Iraq. In	creasing.	Stable in Oman. EN	under criterion D. Unlikely rescue effect.
.4% GR					
onelli's Eagle	Aquila fasciatus	LC			Stable
,000 in Arabian Peninsula (A	ABBA); 140 mature individuals in	Syria and Jordan;	; 100 bree	ding pairs in Iraq; so	o total of <2,000 mature individuals in region
apparently stable, so LC.					
arabian Bustard	Ardeotis arabs	CR		A2,A3,A4abd; C2a	7 I
				Perhaps also D, C2	
1 0	· · ·	:0. Predicted regio	onally ext	inct by 2020. Althou	igh may be immigration from Africa, this
opulation also decreasing so					
Ioubara Bustard	Chlamydotis undulata	CR		A2,A3,A4abd. prol	
		-			e in Qatar in last 2 years. Must have been
			-		100 pairs now in Arabian Peninsula and
	-	•		•	nder IUCN guidelines. Thousands are capti rescue effect, because potential source
•		•			eased populations become established.
Vater Rail		NT			Uncertain
	Rallus aquaticus		y le in Svria	D1 Stable or increasin	
-	li Arabia and Oman); perhaps <50 ps decreasing in Iraq. VU D1 + re		•	. stable or increasin	ng due to increase in man-made wetlands in
_			II = IN I.		Ct-11-
urple Swamphen	Porphyrio porphyrio	LC	• .		Stable
	Kuwait 2012 & 2013. Non-native		een intro	duced in UAE/Qatai	-
ommon Moorhen	Gallinula chloropus	LC			Stable/increasing
Videspread, common, and st	able/increasing				
ommon Coot	Fulica atra	LC			Stable/increasing
Videspread, common, and st	able/increasing				
urasian Thick-knee	Burhinus oedicnemus	LC			Stable/increasing
erhaps 10,000 pairs in Iraq.	Scarce breeder in Syria and Jordan	1. Sporadic elsewl	here in Ar	abia (but common	migrant).
potted Thick-knee	Burhinus capensis	LC			Probably stable
erhaps 1,200 pairs (ABBA).	Further study of numbers and tre	nd is recommend	led.		
Crab Plover	Dromas ardeola	VU		C1	Declining
Jear endemic breeding speci	es (70% of global range). 8,000 m	ture individuals i	in 20 colo	nies (ABBA); declin	ing due to egg collecting, cats and rats and
lso development. However, o	lisplaced birds can move to other	islands in some c	ases. Decl	line estimated at >10	0% in 3 generations = VU C1. Rescue effect
nlikely to be significant.					
lack-winged Stilt	Himantopus himantopus	LC			Increasing
,000 in Arabian Peninsula (A	ABBA) and >10,000 mature indivi	duals in region; ir	ncreasing.		
ied Avocet	Recurvirostra avosetta	NT	у	D1	Stable
00 mature individuals in Ar	abian Peninsula (ABBA) plus som	e in Syria, so <10	00 in tota	l. VU D1 + regional	adjustment = NT.
pur-winged Lapwing	Vanellus spinosus	LC			Increasing
0 1 0	ula (ABBA), plus <4,000 n Iraq; i:	acreasing.			C
ed-wattled Lapwing	Vanellus indicus	LC			Increasing
1 0	ula (ABBA); 6,000 mature individ		easing		increasing
		LC	casing		Stable
	Vanallus laucurus			ria Estimated <10.0	
Vhite-tailed Lapwing	Vanellus leucurus		and in C		volumente incoviculais in region: no eviden
Vhite-tailed Lapwing 0 pairs in Arabian Peninsula	(ABBA); 7,000 mature individua		eeds in Sy	ria. Estimated <10,0	00 matare marriadado m region, no erradi
Vhite-tailed Lapwing 0 pairs in Arabian Peninsula f decline. 20-50% of global p	(ABBA); 7,000 mature individua oopulation in region.	ls in Iraq; also bre	eeds in Sy	Tia. Estimated <10,0	~
/hite-tailed Lapwing) pairs in Arabian Peninsula f decline. 20-50% of global <u>p</u> ittle Ringed Plover	(ABBA); 7,000 mature individua population in region. <i>Charadrius dubius</i>	ls in Iraq; also bre LC			Increasing
Vhite-tailed Lapwing 0 pairs in Arabian Peninsula f decline. 20-50% of global p ittle Ringed Plover 00 pairs and increasing in A	(ABBA); 7,000 mature individua oopulation in region. <i>Charadrius dubius</i> rabian Peninsula (ABBA); widesp	ls in Iraq; also bre LC read in N and C I			Increasing
Vhite-tailed Lapwing 0 pairs in Arabian Peninsula f decline. 20-50% of global p ittle Ringed Plover 00 pairs and increasing in A centish Plover	(ABBA); 7,000 mature individua population in region. <i>Charadrius dubius</i> rabian Peninsula (ABBA); widesp <i>Charadrius alexandrinus</i>	ls in Iraq; also bre LC read in N and C I LC			-
Vhite-tailed Lapwing 0 pairs in Arabian Peninsula f decline. 20-50% of global p .ittle Ringed Plover 00 pairs and increasing in A Centish Plover 0,000 pairs in Arabian Penir	(ABBA); 7,000 mature individua opulation in region. <i>Charadrius dubius</i> rabian Peninsula (ABBA); widesp <i>Charadrius alexandrinus</i> nsula (ABBA), plus breeds in Iraq	ls in Iraq; also bre LC read in N and C I LC and Syria; stable.	Iraq (Salin	n et al. 2012).	Increasing
White-tailed Lapwing 0 pairs in Arabian Peninsula f decline. 20-50% of global p ittle Ringed Plover 00 pairs and increasing in A centish Plover 0,000 pairs in Arabian Penir Greater Sand Plover	(ABBA); 7,000 mature individua oopulation in region. <i>Charadrius dubius</i> rabian Peninsula (ABBA); widesp <i>Charadrius alexandrinus</i> asula (ABBA), plus breeds in Iraq <i>Charadrius leschenaultii</i>	ls in Iraq; also bre LC read in N and C I LC and Syria; stable. NT	Iraq (Salin y	n et al. 2012). D1	Increasing Stable
Vhite-tailed Lapwing 0 pairs in Arabian Peninsula f decline. 20-50% of global p ittle Ringed Plover 00 pairs and increasing in A entish Plover 0,000 pairs in Arabian Penir ireater Sand Plover	(ABBA); 7,000 mature individua oopulation in region. <i>Charadrius dubius</i> rabian Peninsula (ABBA); widesp <i>Charadrius alexandrinus</i> asula (ABBA), plus breeds in Iraq <i>Charadrius leschenaultii</i>	ls in Iraq; also bre LC read in N and C I LC and Syria; stable. NT	Iraq (Salin y	n et al. 2012). D1	Increasing

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Collared Pratincole	Glareola pratincola	LC			Stable or increasing
Only breeds in Iraq within th	ne region; perhaps >20,000 pairs.				
White-eyed Gull	Larus leucophthalmus	LC			Probably stable
Endemic to Red Sea Basin. A	rabian breeding population c.8,000) pairs (ABBA)	and probal	bly stable. Global st	atus should probably be revised (currently
NT). Fairly minor threats are	e egg collection for food and oil spil	ls.			
Sooty Gull	Larus hemprichii	LC			Stable/increasing
26,000+ pairs in region (ABE	BA); stable/increasing.				
Glender-billed Gull	Larus genei	LC			Fluctuating
Breeds in central and souther	rn Iraq (4,000-5,000), Syria (4,000-5	5,000 pairs), Ku	wait (1,00	0-2,000). Many moi	re in winter. Fairly concentrated in colonies,
out these are widespread.					
Gull-billed Tern	Sterna nilotica	LC		-	Stable
Jp to 1,000 pairs in Arabian	Peninsula (ABBA - most Kuwait) p	olus c.600 pairs	in Iraq and	l <10 pairs in Syria	. May breed inland at temporary wetlands and
few other sites on coast.					
Caspian Tern	Sterna caspia	LC		•	Stable
00 pairs in Arabian Peninsu	ıla (ABBA), 400 pairs in Iraq and c.	20 in Syria.			
esser Crested Tern	Sterna bengalensis	LC			Stable/increasing
0,000 pairs (ABBA), almost	ç				
Great Crested Tern	Sterna bergii	LC			Stable
3,000 pairs (ABBA) in Red	8				
Roseate Tern	Sterna dougallii	VU	y	D1	Fluctuating
	Possibly 40-50 pairs (ABBA). EN D		•		Thethaning
Common Tern	Sterna hirundo	LC	lajustinent	- VO D1).	Stable
		LC			Stable
00 pairs Iraq and 30-50 pair		10			0: 11
ittle Tern	Sterna albifrons	LC			Stable
	0 pairs Syria; 200 pairs elsewhere in	•••••	1).		
aunders's Tern	Sterna saundersi	LC			Fluctuating
•		-			ars and 150 died recently from Newcastle
	ng and decline not suspected to hav	•	hold for N	T.	
White-cheeked Tern	Sterna repressa	LC			Stable
78,000 pairs (ABBA); stable.		-			
Bridled Tern	Sterna anaethetus	LC			Stable
800,000 pairs (ABBA); stable	•				
Sooty Tern	Sterna fuscata	EN	У	D	
Jp to 15 pairs off Musandam	n; may breed on Daimaniat Islands;	some breeding	season rec	ords elsewhere; not	confirmed as breeding on Socotra. CR D +
egional adjustment = EN D					
Whiskered Tern	Chlidonias hybrida	LC			Stable
Breeds in Syria and Iraq (esti	mated 6,000 pairs); stable.				
White-winged Tern	Chlidonias leucopterus	LC			Stable
raq only - perhaps 2,000 pai	rs; stable.				
Brown Noddy	Anous stolidus	LC		-	
1,000 pairs (ABBA); stable.					
Pin-tailed Sandgrouse	Pterocles alchata	LC			Decreasing
e			nown but	estimated well in ex	ccess of 10,000 mature individuals in Iraq alo
					n rate; provisionally LC, but needs monitorir
	om hunting, in which case, a higher				
Chestnut-bellied Sandgrouse		LC	·		Stable
ę		essure on habita	at but sprea	ads back once prote	cted. Increasing elsewhere where favoured by
xpansion in irrigated fields.			1		
potted Sandgrouse	Pterocles senegallus	LC			Decreasing
	-		cal decreas	e towards NW of r	ange and Saudi Arabia but long time ago, mo
	ange is historical. Many are shot in	-			,

Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Pterocles orientalis	EN		C2a(ii)	
in the 1980s but fewer now and d	leclining; rescu	ue effect n	ot significant.	
Pterocles coronatus	LC			Stable
Oman and a few scattered other p	opulations.			
Pterocles lichtensteinii	LC			Stable
habits rocky areas which are not u	ınder any obvi	ous threat	. Crepuscular/noctur	rnal so not vulnerable to hunting.
Columba livia	LC		-	Stable?
ncluding wild and feral/town bird	ds); 950,000 pa	airs (ABBA	A) plus more in north	n. Stable.
Columba palumbus	LC			Stable
Iraq (estimated c.400,000). There	is a small isola	ated popul	ation on Jebel Akhda	ar, Oman, estimated at 1,000 pairs (ABBA).
Columba arquatrix	EN		D	Stable
A). EN D; significant rescue effect	t unlikely, ever	n though a	huge range in Africa	ı.
Streptopelia turtur	LC		-	Uncertain
a, possibly more (ABBA); 1,000+	mature indivi	duals in Sy	ria and in Iraq. <10,	000 mature individuals in region; possibly
nunters in Saudi Arabia and Syria.	No evidence	that declin	e has reached the thr	reshold for NT.
Streptopelia lugens	LC			Stable
BBA); stable.				
Streptopelia semitorquata	LC		-	Stable
ABBA); stable.				
Streptopelia decaocto	LC		-	Increasing
				C
Streptopelia roseogrisea	LC			Stable
	LC			Increasing
0 1 0		e.		mereasing
•	-			Increasing
*				
	LC			Stable?
	10			
•	NT	v	וח	
e				not yet confirmed. Estimated <1 000 birds -
	ia, present m j	oruan m s	unimer but breeding	not yet commined. Estimated <1,000 birds =
	NT	v		Stable?
		•		
	counc (numo	and and the	(iii), iliuy breed by ili	
	LC	v	-	Stable
, , ,			U D1) but with regio	nal adjustment due to potential immigration
() 8 I - I	, (····· ··· ··· ··· ··· ··· ··· ··· ···
Chrysococcyx klaas	NT	y	D1	
, ,		1		
				Stable
* *				
	LC		-	Increasing?
,		d many in	Svria; breeds in Leba	e
		, 11	-,, 540 11 1600	,
Otus brucei	LC			Stable
	LC			Stable
•		ion; stable		
	•••••	iiii, otuble	-	A: 11
Otus senegalensis	LC			Stable
	Pterocles orientalis vin the 1980s but fewer now and of Pterocles coronatus Oman and a few scattered other p Pterocles lichtensteinii habits rocky areas which are not u Columba livia including wild and feral/town bire Columba palumbus Iraq (estimated c.400,000). There Columba arquatrix SA). EN D; significant rescue effect Streptopelia turtur a, possibly more (ABBA); 1,000+ hunters in Saudi Arabia and Syria. Streptopelia lugens BBA); stable. Streptopelia lugens BBA); stable. Streptopelia decaocto Streptopelia decaocto Streptopelia roseogrisea (ABBA); stable. Stigmatopelia senegalensis ore in north of region. Widespread Oena capensis ala and increasing (ABBA). Clamator glandarius Palestine; Lebanon; probably Syri Cuculus canorus an (200-250), Lebanon, Israel / Pal rescue effect = NT. Chrysococcyx caprius n (ABBA). Regional population c Chrysococcyx	Pterocles orientalisENPin the 1980s but fewer now and declining; rescuPterocles coronatusLCOman and a few scattered other populations.Pterocles lichtensteiniiLChabits rocky areas which are not under any obviColumba liviaLCincluding wild and feral/town birds); 950,000 paColumba palumbusLCIraq (estimated c.400,000). There is a small isolaColumba arquatrixEN(A). EN D; significant rescue effect unlikely, everStreptopelia turturLCa, possibly more (ABBA); 1,000+ mature indivihunters in Saudi Arabia and Syria. No evidence ofStreptopelia lugensLCBBA); stable.Streptopelia semitorquataLCABBA); stable.Streptopelia senegalensisLCore in north of region. Widespread and adaptablOena capensisLCula and increasing (ABBA).Treron waaliaLCrabian Peninsula (ABBA).Clamator glandariusNTPalestine; Lebanon; probably Syria; present in JoCuculus canorusNTnt (200-250), Lebanon, Israel / Palestine (numberrescue effect = NT.Chrysococcyx klaasNTA); VU D1, with regional adjustment - NT.Centropus superciliosusLCSocotra (ABBA); stable.LCSocotra (ABBA); stable.LCAgmaba), stable.LCAgmaba), Regional population c.1,200 so NT (Chrysococcyx klaasNTA); VU D1, with regional adjustment - NT.	Pterocles orientalisENPterocles orientalisENin the 1980s but fewer now and declining; rescue effect noPterocles coronatusLCOman and a few scattered other populations.Pterocles lichtensteiniiLChabits rocky areas which are not under any obvious threatColumba liviaLCincluding wild and feral/town birds); 950,000 pairs (ABB/Columba palumbusLCtraq (estimated c.400,000). There is a small isolated populColumba arquatrixENA). EN D; significant rescue effect unlikely, even though a Streptopelia turturLCa, possibly more (ABBA); 1,000+ mature individuals in Syhunters in Saudi Arabia and Syria. No evidence that declin Streptopelia lugensLCBBA); stable.LCStreptopelia roseogriseaLC(ABBA); stable.LCStigmatopelia senegalensisLCOena capensisLCQena capensisLCIda and increasing (ABBA).YPalestine; Lebanon, probably Syria; present in Jordan in stCuculus canorusNTVYPalestine; Lebanon, strael / Palestine (numbers unknowrescue effect = NT.Chrysococcyx klaasChrysococcyx klaasNTyA); VU D1, with regional adjustment - NT.Centropus superciliosusLCStocotra (ABBA); stable.Clamator glandariusNTyA); VU D1, with regional adjustment - NT.Chrysococcyx klaasNTyA); VU D	Pterocles orientalis EN C2a(ii) rin the 1980s but fewer now and declining; rescue effect not significant. Pterocles coronatus LC Oman and a few scattered other populations. Pterocles lichtensteini LC habits rocky areas which are not under any obvious threat. Crepuscular/noctur Columba livia LC including wild and feral/town birds); 950,000 pairs (ABBA) plus more in north Columba palumbus LC Iraq (estimated c.400,000). There is a small isolated population on Jebel Akhdi. Columba arquatrix EN D A). EN D; significant rescue effect unlikely, even though a huge range in Africa Streptopelia turtur LC a, possibly more (ABBA); 1,000+ mature individuals in Syria and in Iraq. <10, hunters in Saudi Arabia and Syria. No evidence that decline has reached the the Streptopelia lugens

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Scotra Scops Owl	Otus socotranus	LC			
ENDEMIC TO SOCOTRA. Re	ecently described as a distinct speci	es (Pons et al.	2013). Esti	mated c.1,000 pairs (Pc	orter & Suleiman 2013). No threats.
Inhabits palm groves which are	e probably expanding. Least Conce	rn.			
Eurasian Eagle-owl	Bubo bubo	LC			Stable
Perhaps 400 pairs in Iraq; also	breeds locally in Jordan, Israel / Pa	lestine and Sy	ria. Region	al population estimated	l at >1000; Stable.
Pharaoh Eagle-owl	Bubo ascalaphus	LC	•		Stable/increasing
At least 2,500 pairs in Arabian	Peninsula (ABBA), plus c.50 pairs	in Iraq and als	so breeds in	Syria; stable.	
Spotted Eagle-owl	Bubo africanus	LC			Stable
. 0	reats. Potential Arabian endemic if	split from Af	rican birds		
Brown Fish-owl	Ketupa zeylonensis	CR			
	. ,		eder in Yarı	nuk Vallev: Andrews 20	005). It may be Regionally Extinct, but
• •		•		·	ey (R. Porter, pers. comm.). If so, numbers
	and <50 mature individuals, thus of				
Tawny Owl	Strix aluco	LC		<u> </u>	Stable
	n / Mediterranean edge of the regio	on: not confir	ned to bree	ed in Iraq. Stable, Estin	
Hume's Owl	Strix butleri	LC			Stable?
	la (ABBA); also breeds in S Jordan		alestine Bo	lieved to be stable	
Little Owl			acounte. De	neveu to be stable.	Stable/declining
	Athene noctua	LC			Stable/declining
			e region; sta	ble. Lilith Owl A.n. h	<i>lith</i> (a very pale form) is rare, possibly
	omic split is not confirmed, so DD.	LC			Stable
Egyptian Nightjar	Caprimulgus aegyptius	LC			Stable
	ividuals in Iraq; has bred Jordan.				0.11.0
Nubian Nightjar	Caprimulgus nubicus	LC		_	Stable?
	e		otra. Stable	except in northern par	rt of range in Saudi Arabia where farming
	ter availability, so habitat is declini				
Montane Nightjar	Caprimulgus poliocephalus	LC			Declining
			clining and	population suspected	to be declining at an unknown rate, but
	oaching NT or VU under criterion	*****			et.hl.
Plain Nightjar	Caprimulgus inornatus	LC			Stable
2,000 pairs in SW and S of regi					
African Palm-swift	Cypsiurus parvus	LC			Stable/declining
15,000 pairs in SW of region (<i>A</i> for NT.	ABBA). Possibly some local decline	s due to pesti	ide applica	tion and development,	but not suspected to reach the threshold
Alpine Swift	Tachymarptis melba	LC			Stable?
11,000 pairs in Arabian Penins	ula (ABBA) plus more in N of regi	on.			
Common Swift	Apus apus	LC			Stable
Breeds in Iraq, Syria and along >1000 in total. Not declining.	the Mediterranean edge of the reg	ion. Estimated	1 300 pairs	in Iraq, and as many or	more in Syria and the west of the region;
Pallid Swift	Apus pallidus	LC			Increasing
	n Peninsula but could be 200,000 (A		asing and a	dapting to cities?	
Forbes-Watson's Swift	Apus berliozi	LC	and and a	anythis to entes:	Stable
	*		to exceed 1	000 but transact court	stable ts suggest could be 2,400 (Porter &
01.1	reats; breeds on cliffs. Overlooked			ooo, but transect count	is suggest could be 2,400 (Porter &
Little Swift	Apus affinis	LC			Stable
-	ula (ABBA) and perhaps 800 pairs	in Iraq.			
	Coracias garrulus	NT	У	D1	Stable or declining
European Roller		nbers. Region	al populati	on uncertain but could	be either side of 1,000 mature individuals.
-	non in Jordan and Syria but no nur	U			
c.200 pairs in Iraq. Fairly comr	non in Jordan and Syria but no nur than 1,000 so VU D1, regional adju	-	o massive p	otential for rescue from	n migrants.
c.200 pairs in Iraq. Fairly comr		-	o massive p	otential for rescue from	a migrants. Assumed to be stable
c.200 pairs in Iraq. Fairly comr Precautionary could be fewer	than 1,000 so VU D1, regional adju Coracias abyssinicus	istment due to	o massive p	otential for rescue from	
c.200 pairs in Iraq. Fairly comr Precautionary could be fewer Abyssinian Roller	than 1,000 so VU D1, regional adju Coracias abyssinicus	istment due to	o massive p	otential for rescue from	

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
White-throated Kingfisher	Halcyon smyrnensis	LC			Assumed to be stable
Perhaps 3,000 pairs in Iraq, com	non in Jordan, also in Syria (no nu	umbers).			
Grey-headed Kingfisher	Halcyon leucocephala	LC	•		
Perhaps 6,000 pairs (ABBA). May	y be declining in some areas due to	loss of coa	stal habitat	but increasing i	n irrigated areas, so assume stable overall.
Collared Kingfisher	Todiramphus chloris	EN	•		2abi,ii,iii, iv,v Declining
e		a due to deg	radation o		h 50-55% lost; decline in Kalba (UAE) - 1995, 88-
110 birds, down to 52-70 in 2011	with almost a third of the mangro	oves cut. AC	00 <500 kr	n²; severely fragi	nented; EN A2c,3c,4c; B2abi,ii,iii, iv,v; <i>kalbensis</i> in nest site preferences under way in UAE.
Common Kingfisher	Alcedo atthis	NT	у	D1	Stable
Breeds in S Iraq and probably N adjustment = NT	Iraq; probably breeds in Syria. 100	-200 matur	e individua	ls in Iraq. Estim	ated 250-1000 in region; D1 VU + regional
Pied Kingfisher	Ceryle rudis	LC		. .	Declining
15,000 mature individuals in Irac		20			2
White-throated Bee-eater	Merops albicollis	LC	•		Stable
4,000 pairs in SW of region (ABE	1	LC			Stable
Little Green Bee-eater		LC			Stable/in groasing
	Merops orientalis		1 · 1	111 4 1.	Stable/increasing
	lla (ABBA); likely to be split as <i>M</i> .		which wou	nd de an Arabia	
Blue-cheeked Bee-eater	Merops persicus	LC			Stable
		••••	viduals in r	egion; flexible h	abitat requirements; no evidence of declines.
European Bee-eater	Merops apiaster	LC			Declining
) birds; persecuted on migration and by bee-
keepers; declining in Oman due t	to habitat loss; also sharp decline i	n UAE, but	not though	it to have reache	d 30% over 20 years.
Eurasian Hoopoe	Upupa epops	LC			Stable
		egion; has c	le facto pro	tection owing to	o reference in Quran. Possible competition for nest
sites with expanding Common M	lyna.			-	_
African Grey Hornbill	Tockus nasutus	LC			Stable
8,000 pairs in SW of region (ABE	3A); stable in Yemen.				
Arabian Woodpecker	Dendrocopos dorae	VU		A2ac+3c+4ac	Declining
7,500 pairs in SW of region (ABE	3A). Declined notably since 1970s-	1980s and l	become mu	ich more difficul	t to see. E.g. 3-6 known sites in Yemen no longer
					997 (M. Shobrak). Overall, the estimated decline
					timber & fodder and regeneration inhibited by
					contain holes for nesting; the species likes to feed
	••	e			hen has increased demand for fuel wood. Granite here may be competition for nest holes from other
					nd reserves such as Raydah brings disturbance.
Middle Spotted Woodpecker	Dendrocopos medius	VU		C2a(i)	Declining
			may be clo		on. Rescue effect from Iran assumed to be low as
this population also declining.		5=u(i) uiiu			
Syrian Woodpecker	Dendrocopos syriacus	LC	•		Stable/declining
, ,	number in Syria/Jordan/Palestine		lining in L	ag and Svria St	0
Black-crowned Tchagra	Tchagra senegalus	LC			Increasing?
7,000-8,000 pairs if 1 per 20 km ²		LC			mercusing.
Great Grey Shrike	Lanius excubitor	LC			Possibly increasing
			w many as	Southern Cross	, 0
by BirdLife International. Near en		naq. spiit t	by many as	Southern Grey S	Shrike Lanius meridionalis, but not currently split
Woodchat Shrike	Lanius senator	LC			
	number in Syria, Jordan, Lebanon		d Kuwait		
Masked Shrike	Lanius nubicus	LC	u nuwali.		
	umber in Syria, Palestine, Lebanor	••••			Ceal-1-
Eurasian Golden Oriole	Oriolus oriolus	LC			Stable
	n reninsula (ABBA); breeding ree	cora in Kuv	vait; with o	iner populations	s in north, probably >1000 mature individuals in
region.					

Common Name	Scientific Name	Reg Cat	Reg adj Criteria	Regional trend
African Paradise-flycatcher	Terpsiphone viridis	LC		Stable
20,000 mature individuals; no	t declining.			
Eurasian Jay	Garrulus glandarius	LC		Stable
Common and stable in Iraq, S	yria, Jordan.			
Black-billed Magpie	Pica pica	LC		Stable
Common; stable. The isolated	form P. p. asirensis in SW Saudi Ar	abia highlands	s has 270 mature individuals: El	N C2 a(ii) (and VU D1); may also qualify
under B1/B2. Juniper woods a	are dying out and not regenerating;	other possible	threats include timber extraction	on, fuel wood collection; climate change.
Red-billed Chough	Pyrrhocorax pyrrhocorax	LC		Stable
2,000 mature individuals; 0.4%	% of global range.			
Yellow-billed Chough	Pyrrhocorax graculus	LC	•	Stable
>1,000 mature individuals in 1	region; 1% of global range.			
Eurasian Jackdaw	Corvus monedula	LC	•	Stable
>1,000; no decline.				
Carrion Crow	Corvus corone	LC		Stable
Numerous, not declining. Me	sopotamian Crow >1,000 mature in	dividuals, not	declining; Iraq.	
Brown-necked Raven	Corvus ruficollis	LC		Declining
150,000 pairs in Arabian Peni	5	d Jordan; decl	ining in UAE probably owing to	o habitat degradation through overgrazing.
	-tailed Raven C. rhipidurus in place			
Common Raven	Corvus corax	LC		Stable/slight decrease Iraq
1,000 pairs Iraq plus presuma	bly good numbers in Syria/Jordan e	tc.		
Fan-tailed Raven	Corvus rhipidurus	LC	•	Stable
c.150,000 pairs (ABBA); stable	2.			
Grey Hypocolius	Hypocolius ampelinus	LC		Stable/slight decrease Iraq
		it estimated to	exceed 1,000 mature individua	ls as global population is estimated at
	al 2013) and Arabian range is 30% o			
Sombre Tit	Parus lugubris	LC		Presumed stable
1,000 pairs in Iraq, plus unkno	own number in Syria; not declining			
Coal Tit	Parus ater	LC		Stable
Estimated several thousand in	ı Syria; also breeds in Lebanon.			
Great Tit	Parus major	LC		Stable
	nown numbers elsewhere in north			
Blue Tit	Parus caeruleus	LC		Stable
	nd unknown number in Syria and Jo			
Eurasian Penduline-tit	Remiz pendulinus	DD		Uncertain
Syria only - unknown populat	1	_		
Sand Martin	Riparia riparia	LC		Unknown
c.25,000-30,000 pairs in Iraq.		20		
Eurasian Crag-martin	Hirundo rupestris	LC		Presumed stable
e	f N and E Iraq, estimated >1000 ma		als	
Pale Crag-martin	Hirundo obsoleta	LC		Stable
150,000 pairs in Arabian Peni		LC		otuble
Barn Swallow	Hirundo rustica	LC		Stable
	ne region. Numbers estimated at >1,		eclining	outre
	Hirundo daurica	LC	iccining.	Stable
Red-rumped Swallow				Static
	re along the western edge of the reg			Stable
Northern House-martin Broads in north and wast of th	Delichon urbicum	LC	la dinina	Stable
	ne region. Numbers estimated at >1,	•••••	leciining.	
Singing Bushlark	Mirafra cantillans	LC		Stable/increasing
	ula (ABBA); stable or increasing.			
Greater Hoopoe-lark	Alaemon alaudipes	LC		Stable
-	nsula (ABBA) and more in the nort			

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Thick-billed Lark	Rhamphocoris clotbey	LC			Stable
20,000 pairs in Arabian Penir	nsula (ABBA) and more in the north;	stable.			
Calandra Lark	Melanocorypha calandra	LC			Stable
Common in Syria >10,000; n	ot declining.				
3imaculated Lark	Melanocorypha bimaculata	LC	у	D1	
.500 pairs in Jordan and Syr	ia, <100 in Iraq. NT D1, with regiona	l adjustment	= LC. Bett	er information on	population size in region needed.
3ar-tailed Lark	Ammomanes cinctura	LC			Stable
,500,000 pairs (ABBA), not	declining. Quite nomadic				
Desert Lark	Ammomanes deserti	LC			Stable
5,000,000 pairs (ABBA).		.			
Greater Short-toed Lark	Calandrella brachydactyla	LC			Stable
,500 pairs in Iraq, also breed	ls in Syria.				
Red-capped Lark	Calandrella cinerea	LC			Stable
50,000 pairs (ABBA).					
lesser Short-toed Lark	Calandrella rufescens	LC			
Perhaps 500 pairs in Arabian	Peninsula (ABBA), plus c.300 pairs i	n Iraq, more	in Jordan	and some in Syria.	Common migrant.
Dunn's Lark	Eremalauda dunni	LC			Stable
Perhaps 2,000,000 pairs (ABI	3A).				
Crested Lark	Galerida cristata	LC			Stable
5,000,000-7,000,000 pairs in .	Arabian Peninsula (ABBA) plus man	y more in no	rth of regio	on. May be decrea	sing in some areas (cat predation) but increasin
n others (spread of agricultu	re)				
Wood Lark	Lullula arborea	LC			Unknown
1,000 pairs in Iraq. Also in S	Syria, Jordan, Lebanon?				
Black-crowned Sparrow-lark	Eremopterix nigriceps	LC			Stable
00,000 pairs (ABBA)					
Horned Lark	Eremophila alpestris	NT	у	D1	Stable
<1,000 mature individuals in	north of region; VU D1 plus rescue of	effect = NT			
Femminck's Lark	Eremophila bilopha	LC			Stable
750,000 pairs (ABBA) and m	ore in the north of region; not declin	ing			
Zitting Cisticola	Cisticola juncidis	LC			Stable
30,000 pairs in Arabian Penir	nsula (ABBA), more in north of regio	n and estima	ted >120,0	00 mature individ	uals in total.
sland Cisticola	Cisticola haesitatus	NT		C2a(ii)	Stable
ENDEMIC. c.9,000 individua	als (Porter & Suleiman 2013); no evid	lence of decli	ne; potenti	al threat by coast	al development; pressure on saline flats on coas
levelopment pressures affect	c.20% of coastline; also affected by o	vergrazing; b	reeds in tw	vo distinct habitats	; probably one subpopulation; proposed road
		decline in sui	table habit	at. As the propose	d road is currently not funded, a continuing
lecline cannot be projected.	NT C2a(ii).		-		
Socotra Warbler	Incana incana	LC			Stable
ENDEMIC. >26,000 individu	uals (Porter & Suleiman 2013); no dec	cline or threa	ts.		
Streaked Scrub-warbler	Scotocerca inquieta	LC			Stable
300,000 mature individuals in	n Arabian Peninsula (ABBA); >1 mill	ion in regior	. No declii	ne.	
Graceful Prinia	Prinia gracilis	LC			Stable
60,000 mature individuals in	n Arabian Peninsula (ABBA); not dec	lining.			
White-spectacled Bulbul	Pycnonotus xanthopygos	LC			Increasing
million mature individuals	in Arabian Peninsula (ABBA) and in	creasing.			
White-eared Bulbul	Pycnonotus leucotis	LC			Stable/increasing
160,000 mature individuals in	n Arabian Peninsula (ABBA), so >500),000 mature	individua	s; birds outside Ira	aq are likely to result from introductions.
Cetti's Warbler	Cettia cetti	LC			Stable
Breeds in the north and west	of region; estimated >1,000 mature i	ndividuals.			
Moustached Warbler	Acrocephalus melanopogon	NT		D1	Stable in Saudi Arabia/Kuwait

Emerica D 1 11	Scientific Name	Reg Cat	Reg adj Criteria	Regional trend
Eurasian Reed-warbler.	Acrocephalus scirpaceus	LC		Increasing (Arabia)
1,100 pairs (ABBA) plus good	l numbers in Syria and Jordan and	d <100 pairs in Ira	aq. Increasing breeding in A	rabia. An estimated further 3,000 pairs along
coast of Saudi Arabia and Yer	nen have been separated as Red S	ea or Mangrove P	Reed Warbler A. avicenniae (formerly considered African Reed Warbler A.
baeticatus), but this split not	yet confirmed by BirdLife Interna	tional. These pop [,]	ulations declining owing to c	lestruction of mangroves at estimated rate
>30% in 3 generations. If this	s taxon assessed separately, would	be VU C2a(ii) pl	us rescue effect from African	n side of Red Sea = NT.
Great Reed-warbler	Acrocephalus arundinaceus	LC	y D1	Stable/increasing
200 pairs Arabian Peninsula (effect = LC.	ABBA); 300+ pairs Iraq, Small nu	ımbers in Syria aı	nd Jordan. Perhaps NT D1 as	s smallish population, but significant rescue
Clamorous Reed-warbler	Acrocephalus stentoreus	LC		Increasing
5,000 pairs in Arabian Penins	sula plus small numbers in Syria a	nd Jordan.		
Basra Reed-warbler	Acrocephalus griseldis	EN	B2ab(i,ii,iii,iv,v)	Unknown
Breeding is concentrated in the		of Iraq where the	current population is estima	ted at <5,000 pairs (Mudhafar Salim/Nature
				eding population (M Pope, pers. comm.).
				Recently found breeding in Hula Valley,
Israel (Perlman & Meyrav 200	09). Draining of the marshes mea	nt that <10% of th	ie original extent remained i	n 2003. Following re-flooding, the marshes
reached a peak of 65% of the	1970s area in 2008, before declini	ng again to 55%. '	The marshes are currently be	ring degraded by drying and extraction; a
		-		d dams upstream on the Tigris and Euphrates
				equirements: medium-high reed edges with
		-		f 18 sites found a positive correlation between
	imated at <500 km ² and there are			n is also used for reed houses) so is under threat
Eastern Olivaceous Warbler		LC		Ctable
	Hippolais pallida			Stable
	nsula (ABBA); c.4,000 pairs in Ira		s în Syria, also breeds în Jord	•
Upcher's Warbler	Hippolais languida	LC		Stable
	ood numbers in Jordan, a few in e			
Olive-tree Warbler	Hippolais olivetorum	LC		Stable
	NW of region; 8% of glob range i	n region so extrap	polation = 2,640.	
Sykes's Warbler	Hippolais rama	EN	y D	
15 breeding pairs at Kalba, U	AE in 1995; 9 individuals singing	2012. Oman - un	confirmed breeding. CR D, v	vith rescue effect = EN.
Brown Woodland-warbler	Phylloscopus umbrovirens	LC		Declining
70,000 pairs in SW of region	(ABBA); thought to be declining	owing to predatio	n by cats and pressure on Ju	niper woodland.
Yemen Warbler	Sylvia buryi	NT	A2c+3c+4c	Declining
	· · ·	that used in curre	ent IUCN Red List account	(<10,000). One survey by Steve Newton in a
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km². R	elies on mature/o	ld acacia trees in Yemen and	this habitat is under pressure; in Saudi Arabia,
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km². R may be found in any bushy count	elies on mature/o try. Habitat is pato	ld acacia trees in Yemen and chy, with smaller and more f	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range.
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12	elies on mature/o rry. Habitat is patc years (3 generatio	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia,
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may	elies on mature/o ry. Habitat is pato years (3 generatio y require revision.	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range.
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl Blackcap	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may <i>Sylvia atricapilla</i>	elies on mature/o ry. Habitat is patc years (3 generatic y require revision. LC	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range. ence and habitat loss. NT, as approaching VU
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl Blackcap Estimated a few hundred mat	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may <i>Sylvia atricapilla</i> ture individuals in Syria and may	elies on mature/o ry. Habitat is patc years (3 generation require revision. LC be in decline; pos	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range. ence and habitat loss. NT, as approaching VU
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl Blackcap Estimated a few hundred mat Lesser Whitethroat	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may <i>Sylvia atricapilla</i> ture individuals in Syria and may <i>Sylvia curruca</i>	elies on mature/o ry. Habitat is patc years (3 generatic y require revision. LC	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range. ence and habitat loss. NT, as approaching VU
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl Blackcap Estimated a few hundred mat Lesser Whitethroat >1,000 mature individuals in	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may <i>Sylvia atricapilla</i> ture individuals in Syria and may <i>Sylvia curruca</i> region; not declining.	elies on mature/o cry. Habitat is pate years (3 generation require revision. LC be in decline; pos LC	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range. ence and habitat loss. NT, as approaching VU d strong rescue effect. Stable
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl Blackcap Estimated a few hundred mat Lesser Whitethroat	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may <i>Sylvia atricapilla</i> ture individuals in Syria and may <i>Sylvia curruca</i>	elies on mature/o ry. Habitat is patc years (3 generation require revision. LC be in decline; pos	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range. ence and habitat loss. NT, as approaching VU
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl Blackcap Estimated a few hundred mat Lesser Whitethroat >1,000 mature individuals in	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may <i>Sylvia atricapilla</i> ture individuals in Syria and may <i>Sylvia curruca</i> region; not declining. <i>Sylvia hortensis</i>	elies on mature/o cry. Habitat is pate years (3 generation require revision. LC be in decline; pos LC	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range. ence and habitat loss. NT, as approaching VU d strong rescue effect. Stable
ENDEMIC. 9,000 pairs in SW protected area in Saudi Arabi it occurs also in junipers and Estimated to have declined by under criterion A. Current gl Blackcap Estimated a few hundred mat Lesser Whitethroat >1,000 mature individuals in Orphean Warbler	V (ABBA), a higher estimate than a recorded >50 pairs in 12 km ² . R may be found in any bushy count y >20% but less than 30% over 12 obal assessment, VU C2a(ii), may <i>Sylvia atricapilla</i> ture individuals in Syria and may <i>Sylvia curruca</i> region; not declining. <i>Sylvia hortensis</i>	elies on mature/o cry. Habitat is pate years (3 generation require revision. LC be in decline; pos LC	ld acacia trees in Yemen and chy, with smaller and more f ons) based on anecdotal evid	this habitat is under pressure; in Saudi Arabia, ragmented patches in the north of its range. ence and habitat loss. NT, as approaching VU d strong rescue effect. Stable
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Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Iraq Babbler	Turdoides altirostris	LC			Increasing
Near-endemic. c. 5,000 mature in	dividuals in Iraq with more in Syri	a (c.1,000 i	mature ind	ividuals at Sabkhat al Ja	bboul in Syria) so perhaps 7,000 mature
individuals in total. Found on edg	ges of canals and rivers and in reed	beds. May	have specia	al habitat requirements,	as many transects along Tigris and
Euphrates do not have nests. Ran	ge is expanding so numbers inferre	ed to be inc	reasing.		
Common Babbler	Turdoides caudata	LC			Stable
5,000 pairs in Iraq, plus a few doz	en in Kuwait	_		-	
Arabian Babbler	Turdoides squamiceps	LC			Stable
150,000 pairs (ABBA). Stable					
White-breasted White-eye	Zosterops abyssinicus	LC			Stable
605,000 pairs (ABBA), including	5,000 on Socotra.				
Oriental White-eye	Zosterops palpebrosus	EN		D	Stable?
Previously estimated at 100 birds,	, and max 60 pairs? (ABBA). Possil	oly introdu	ced, or a or	ne-off natural colonisati	on. Significant rescue effect unlikely given
lack of records elsewhere in regio	n. So, EN D, assuming occurrence	is natural.			
Winter Wren	Troglodytes troglodytes	LC		-	-
Maybe 150 pairs in Iraq, also bree	eds in Jordan, Syria, Lebanon. Tota	l populatio	n estimate	d > 1,000 mature individ	luals.
Wood Nuthatch	Sitta europaea	LC		•	Stable
Estimated >1,000 pairs in north of	*				
Western Rock-nuthatch	Sitta neumayer	LC			Stable
>1,000; no decline. 4.5% global ra	,				
Eastern Rock-nuthatch	Sitta tephronota	LC		-	Stable
>1,000; no decline. 0.6% global ra	*				
Common Starling	Sturnus vulgaris	LC	y (x2)	-	
ç	; breeds in N Iraq, N Syria and UA		•	ten regional adjustment	
Tristram's Starling	Onychognathus tristramii	LC und	Jugii two-s		Stable
ç	, 0				Stable
	rabian Peninsula (ABBA), plus mo	•	in.		
Somali Starling	Onychognathus blythii	LC	10) F 1		0
with Socotra Starling?	; c.102,000 individuals (Porter & S	uleiman 20	13). Feeds	on fruits of the dragons	blood tree. Stable. May be in competition
Socotra Starling	Onychognathus frater	LC			Stable
ENDEMIC. Over 25,000 individu	als (Porter & Suleiman 2013); no o	lecline, no	threats		
Yemen Thrush	Turdus menachensis	LC		-	Declining
ENDEMIC. 10,000 pairs (ABBA) adaptable. May be declining but <	; more varied habitat than Arabian <20% in 3 generations.	Woodpeck	ker and Yer	nen Warbler; found in v	voodland, parks, gardens etc.; very
Eurasian Blackbird	Turdus merula	LC		•	
	idespread in N Iraq). Perhaps 1,50	0 in Iraa.			
Mistle Thrush	Turdus viscivorus	LC		-	
	n Syria and some also Jordan. >1,00		ndividuals		
Common Nightingale	Luscinia megarhynchos	LC		-	
0 0	erous in Syria; >1,000 mature indi				
White-throated Robin	Irania gutturalis	LC			
		LC			
c.1,000 pairs in Iraq, also in Syria		LC	-		In anothin of
Rufous-tailed Scrub-robin	Erythropygia galactotes			a in famia	Increasing?
	eninsula (ABBA) and spreading. 3,	•	q and som	e in Syria.	T.,
Black Scrub-robin	Cercotrichas podobe	LC			Increasing
500,000 pairs and increasing (AB		N 100		DI	e: 11
Black Redstart	Phoenicurus ochruros	NT	у	D1	Stable
	non, Israel/Palestine. 100+ pairs in	•			
Common Redstart	Phoenicurus phoenicurus	NT	У	D1	Stable
	bly VU D1 but regional adjustment	•	n migrant.		
Common Stonechat	Saxicola torquatus	LC			Stable?
60,000 pairs in Arabian Peninsula	a (ABBA); African Stonechat S. tore	quatus felix	occurs in	SW of region.	

Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
White-tailed Wheatear	Oenanthe leucopyga	LC			Stable
300,000 pairs (ABBA); 16% of	global range.				
Hooded Wheatear	Oenanthe monacha	LC			Stable
5,000 pairs (ABBA) plus others	s in north of region; stable				
Hume's Wheatear	Oenanthe albonigra	LC			Stable
57,000 pairs in Arabian Penins	sula (ABBA); stable				
Northern Wheatear	Oenanthe oenanthe	LC			Stable
Breeds along the northern and	western fringes of region; estimate	ed <2,000 matu	ıre individ	uals; stable.	
Mourning Wheatear	Oenanthe lugens	LC			Stable
45,000 pairs (ABBA).					
Arabian Wheatear	Oenanthe lugentoides	LC			Declining
ENDEMIC. 930,000 pairs (AB	BA); perhaps a slow decrease, as so	me local declii	nes noted.		
Finsch's Wheatear	Oenanthe finschii	LC			Stable
>1,000 mature individuals in r	egion; 14% of global range.				
Red-rumped Wheatear	Oenanthe moesta	EN		D1	Stable
•	. <250 mature individuals = EN D.	No rescue effe	ct.		
Black-eared Wheatear	Oenanthe hispanica	LC			Stable
>1,000 mature individuals; no					
Kurdish Wheatear	Oenanthe xanthoprymna	LC			
c.1,500 pairs in Iraq; not declir					
Desert Wheatear	<i>Oenanthe deserti</i>	LC			Stable?
Breeds in Syria and Jordan; est	imated population >1,000 mature i	individuals. No	ot declinin	g.	
Isabelline Wheatear	Oenanthe isabellina	LC			Stable?
Common in Syria, good numb	er in Jordan, perhaps 400 pairs in 1	[raq. >1,000 ma	ature indiv	riduals in total; not decl	ining.
Botta's Wheatear	Oenanthe bottae	LC			Stable
c.40,000 pairs (ABBA); stable					
Blackstart	Cercomela melanura	LC			Increasing?
500,000 pairs (ABBA); stable.					C
Rufous-tailed Rock-thrush	Monticola saxatilis	NT	y	D1	Unknown
<100 pairs in Iraq, 'fair numbe	r' in Syria, none in Jordan; scarce i	n Lebanon. Lik	ely <1,000) in region; VU D1 with	rescue effect = NT.
Little Rock-thrush	Monticola rufocinereus	LC		U	Stable/increasing
c.25,000 pairs in SW of region	(ABBA); not declining.				C C
Blue Rock-thrush	Monticola solitarius	LC			-
	ommon in Jordan and a fair numbe		declining.		
Spotted Flycatcher	Muscicapa striata	LC	3		Unknown
1 /	Jordan and Syria, presumed also in	Lebanon. >1,(000 in tota	1.	
Gambaga Flycatcher	Muscicapa gambagae	LC			
100,000 pairs in SW of region	1 8 8				
White-throated Dipper	Cinclus cinclus	VU		D1	Stable
<250 in N Iraq; EN D, with res	cue effect = VU D1.				
Nile Valley Sunbird	Anthreptes metallicus	LC			Stable/increasing
1,800,000 mature individuals in					
Socotra Sunbird	Nectarinia balfouri	LC			Stable/increasing
	ls (Porter & Suleiman 2013); no de		s.		, i i i i i i i i i i i i i i i i i i i
Palestine Sunbird	Nectarinia osea	LC			Stable/increasing
	n Arabian Peninsula (ABBA); c.719	% of breeding 1	range in re	gion; candidate for taxo	e
1,200,000 mature individuals in		0	<u> </u>		•
1,200,000 mature individuals in Purple Sunbird	Nectarinia asiatica	LC			Stable/increasing
Purple Sunbird	Nectarinia asiatica	LC			Stable/increasing
	Nectarinia asiatica	LC			Stable/increasing Stable/increasing

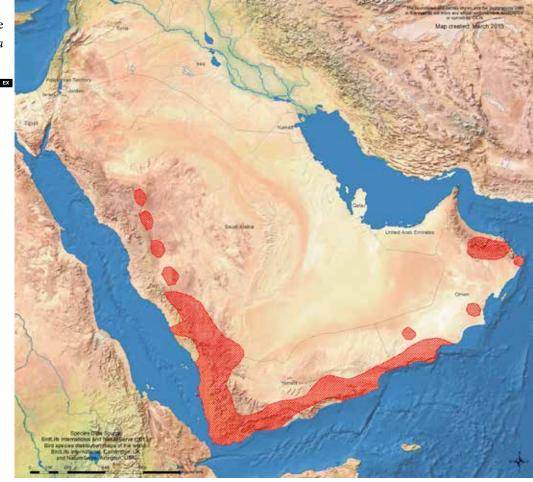
Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
House Sparrow	Passer domesticus	LC			Stable/increasing
14,000,000 mature individuals	s in Arabian Peninsula (ABBA).				
Spanish Sparrow	Passer hispaniolensis	LC			Stable
8,000 mature individuals in A	rabian Peninsula (ABBA); many m	ore in region.			
Dead Sea Sparrow	Passer moabiticus	LC			Stable
Numerous in Syria; may be 48	3,000 mature individuals in region,	based on 40%	of global 1	range and global pop	pulation of 120,000.
Socotra Sparrow	Passer insularis	LC			Stable
•	ividuals (Porter & Suleiman 2013);	widespread, no	o threats,	stable.	
Abd Al Kuri Sparrow	Passer hemileucus	VU		D1	Stable
1	& Suleiman 2013); stable. <1,000 n	nature individu	als = VU	D1, no rescue effect	
Arabian Golden Sparrow	Passer euchlorus	LC			Stable
25,000+ pairs (ABBA); near-en					
Chestnut-shouldered Petronia		LC			Stable
	a (ABBA) and c.1,000 pairs in Iraq				Studie
Bush Petronia	Petronia dentata	ŀ LC			Unknown
		LC			Olikhowli
5,000 pairs in SW of region (A		IC			
Rock Sparrow	Petronia petronia	LC	1		Unknown
	be 50 pairs in Iraq, probable in Syri	-	e in Lebai	non; >1,000 in total.	
Pale Rock Sparrow	Petronia brachydactyla	LC			Increasing?
Very nomadic, maybe increasi Aspinall 2010). Perhaps 500,00		ater. Breeds pat	chily in th	he region and breed	ing areas can vary from year to year (Porter &
Rueppell's Weaver	Ploceus galbula	LC			Increasing
*1					
130,000 pairs (ABBA). Arabian Waxbill	Estrilda rufibarba	LC			Stable/declining
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due	dividuals (ABBA). In Yemen, local to reduced water availability and a	declines noted, bandoned farm	ns cover la	arge areas. Also und	fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill	dividuals (ABBA). In Yemen, local to reduced water availability and a	declines noted, bandoned farm	ns cover la	arge areas. Also und	fall and decreasing agriculture; in Saudi Arabia,
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill 30,000 pairs (ABBA).	dividuals (ABBA). In Yemen, local to reduced water availability and a However, flexible, uses agricultural <i>Lonchura cantans</i>	declines noted, bandoned farm l areas and is a LC	ns cover la	arge areas. Also und	fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for er quickly. Declines estimated to be below the Stable/increasing
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill 30,000 pairs (ABBA). White-throated Munia	dividuals (ABBA). In Yemen, local to reduced water availability and a However, flexible, uses agricultural <i>Lonchura cantans</i> <i>Lonchura malabarica</i>	declines noted, bandoned farm l areas and is a LC LC	ns cover la prolific br	arge areas. Also unde reeder, so can recove	fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for er quickly. Declines estimated to be below the Stable/increasing Increasing
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill 30,000 pairs (ABBA). White-throated Munia 60,000 mature individuals in A	dividuals (ABBA). In Yemen, local to reduced water availability and a However, flexible, uses agricultural <i>Lonchura cantans</i> <i>Lonchura malabarica</i> Arabian Peninsula (ABBA); 80,000	declines noted, bandoned farm l areas and is a LC LC) mature individ	ns cover la prolific br	arge areas. Also unde reeder, so can recove egion. Increasing in	Fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for er quickly. Declines estimated to be below the Stable/increasing Increasing UAE.
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill 30,000 pairs (ABBA). White-throated Munia 60,000 mature individuals in A Yemen Accentor	dividuals (ABBA). In Yemen, local to reduced water availability and a However, flexible, uses agricultural <i>Lonchura cantans</i> <i>Lonchura malabarica</i> Arabian Peninsula (ABBA); 80,000 <i>Prunella fagani</i>	declines noted, bandoned farm l areas and is a LC LC) mature individ NT	ns cover la prolific br duals in re	egion. Increasing in C2a(ii)	Fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for er quickly. Declines estimated to be below the Stable/increasing Increasing UAE. Declining
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill 30,000 pairs (ABBA). White-throated Munia 60,000 mature individuals in A Yemen Accentor ENDEMIC. 1,000 pairs (ABBA close proximity to humans. Lit	dividuals (ABBA). In Yemen, local to reduced water availability and a However, flexible, uses agricultural <i>Lonchura cantans</i> <i>Lonchura malabarica</i> Arabian Peninsula (ABBA); 80,000 <i>Prunella fagani</i> A). Not seen in the same densities a mited local habitat loss; habitat is n	declines noted, bandoned farn l areas and is a LC LC) mature indivio NT as previously ar naturally fragm	ns cover la prolific br duals in re nd probab ented owi	egion. Increasing in C2a(ii) oly under some press ing to distribution at	Fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for er quickly. Declines estimated to be below the Stable/increasing Increasing UAE.
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill 30,000 pairs (ABBA). White-throated Munia 60,000 mature individuals in A Yemen Accentor ENDEMIC. 1,000 pairs (ABBA close proximity to humans. Li Population is <2,500 mature in	dividuals (ABBA). In Yemen, local to reduced water availability and a However, flexible, uses agricultural <i>Lonchura cantans</i> <i>Lonchura malabarica</i> Arabian Peninsula (ABBA); 80,000 <i>Prunella fagani</i> A). Not seen in the same densities a mited local habitat loss; habitat is n	declines noted, bandoned farn l areas and is a LC LC) mature indivio NT as previously ar naturally fragm	ns cover la prolific br duals in re nd probab ented owi	egion. Increasing in C2a(ii) oly under some press ing to distribution at	Fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for er quickly. Declines estimated to be below the Stable/increasing Increasing UAE. Declining sure in Yemen, but seems able to live in t high elevations generally (above 2,500 m).
130,000 pairs (ABBA). Arabian Waxbill ENDEMIC. 60,000 mature inc agriculture also declining due demand from Gulf countries. threshold for NT. African Silverbill 30,000 pairs (ABBA). White-throated Munia 60,000 mature individuals in A Yemen Accentor ENDEMIC. 1,000 pairs (ABBA close proximity to humans. Li Population is <2,500 mature in C2a(ii).	dividuals (ABBA). In Yemen, local to reduced water availability and a However, flexible, uses agricultural <i>Lonchura cantans</i> <i>Lonchura malabarica</i> Arabian Peninsula (ABBA); 80,000 <i>Prunella fagani</i> A). Not seen in the same densities a mited local habitat loss; habitat is n	declines noted, bandoned farn l areas and is a LC LC) mature indivio NT as previously ar naturally fragm	ns cover la prolific br duals in re nd probab ented owi	egion. Increasing in C2a(ii) oly under some press ing to distribution at	Fall and decreasing agriculture; in Saudi Arabia, er trapping pressure in Saudi Arabia for er quickly. Declines estimated to be below the Stable/increasing Increasing UAE. Declining sure in Yemen, but seems able to live in t high elevations generally (above 2,500 m).
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Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Syrian Serin	Serinus syriacus	EN		A2acd+A3cd+A4acd	Declining
ENDEMIC. The largest pop	ulation is in Jordan; 1,000-1,200 pai	rs in 1998 but d	eclined to	500-700 pairs in 2011; Ex	tent of Occurrence in Jordan estimated
t 17 km² and Area of Occup	pancy 2.4 km ² . Lebanon: only occur	s in the central	part of the	Anti-Lebanon range; occ	urs in 16 IBAs but only 6 have
onfirmed breeding. Syria: c	ne site with confirmed breeding (B	loudan) but sub	ject to ver	y heavy development pres	sure for chalets, flats, and roads and
					e grazing pressure, drought, trapping,
		Declining and li	ikely at a r	ate >50% over 11 years (3	generations). EN A2acd+A3cd+A4acd
-	out there are at least 9 locations.				
Olive-rumped Serin	Serinus rothschildi	LC			Declining
	ABBA), mainly in SW mountains; a				
		ng material from	n Juniper t	rees which are in decline;	under some trapping pressure in Saudi
Arabia and on sale in marke	•			•	
lemen Serin	Serinus menachensis	LC			Stable/declining
	ABBA), mainly in SW Mountains; a				
				-	nd may be a relic of earlier time. Occur
	rothschildii but is partly commensal		d building	s & degraded grassland. S	ometimes trapped.
ocotra Grosbeak	Rhynchostruthus socotranus	LC			Stable
ENDEMIC. 16,800 individu	als (Porter & Suleiman 2013), wide	spread; stable		•	
Arabian Grosbeak	Rhynchostruthus percivali	NT		C2a(ii)	Declining
	dividuals (ABBA); threatened by tre	-	grazing et	c; thought to be stable in O	Oman and Saudi Arabia. Taking a
precautionary view, and con	sidering declines reported in Yemer	n, NT C2a(ii).			
European Greenfinch	Carduelis chloris	LC			Declining
>1,000 mature individuals in	n region. Trapped a lot in Syria for s	ale at markets; t	hreatened	by trapping in other coun	tries. Decline not thought to reach 209
over 3 generations.					
European Goldfinch	Carduelis carduelis	EN		A2bd+3d+4bd	Declining
,000 mature individuals in	Arabian Peninsula (ABBA); plus Jo	rdan, Iraq, Leba	non, Syria	. High trapping pressure in	n Jordan and Syria and many seen for
					CR. EN A2bd+3d+4bd; no rescue effec
is also trapped in Turkey an	d N Africa; marked decline around	Mediterranean	and wiped	l out from extensive areas	of North Africa.
Eurasian Linnet	Carduelis cannabina	LC			Stable
>1,000 mature individuals; r	not declining				
lemen Linnet	Carduelis yemenensis	LC			Stable
ENDEMIC. 200,000 pairs in	SW of region (ABBA); no decline	in Saudi Arabia,	despite so	me trapping pressure.	
Asian Crimson-winged Find	h Rhodopechys sanguineus	VU		D1	Stable
Breeds in Lebanon and poss	ibly Syria. <1,000 mature individua	ls; VU D1; no si	gnificant r	rescue effect.	
Desert Finch	Rhodopechys obsoletus	LC			Increasing
5,000 pairs (ABBA) plus m	ore in N of region; estimated 150,00	00-200,000 matu	ıre individ	uals in region; increasing.	
Frumpeter Finch	Bucanetes githagineus	LC		-	Stable
2,000 pairs (ABBA); stable.					
Pale Rosefinch	Carpodacus synoicus	LC		•	Stable
	. ,		it, and if c	onfirmed the local form o	ould become a regional near-endemic.
Corn Bunting	Miliaria calandra	LC			Stable
e	ome breeding records in Arabia; Es		mature in	dividuals in region	Stuble
Rock Bunting	Emberiza cia	LC			Stable (Iraq)
Ũ					Stable (Iraq)
	and Lebanon. Total >1,000 mature i				TT
Cinereous Bunting	Emberiza cineracea			1 1	Uncertain
	split as Eastern Cinereous Bunting		••••••	•	
Ortolan Bunting	Emberiza hortulana	NT	У	D1	Unknown
	eclining across much of world rang	e but trend with	in region ı	unknown. Precautionary V	/U D1, with rescue effect = NT.
Cretzschmar's Bunting	Emberiza caesia	LC			
Estimated >1,000 along the	western edge of the region.				
House Bunting	Emberiza striolata	LC			Stable

Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Emberiza tahapisi	LC			Stable
Emberiza socotrana	NT		B1+2ab	Stable
riduals (Porter & Suleiman 2013)	; 2/3 of this i	s 2,600 ma	ture individuals; n	ests in highlands - no appreciable threats;
coad construction. Meets size crit	erion for B1	and B2 bu	t not declining - N	νT.
Emberiza melanocephala	LC			Unknown
the region and in northern Iraq;	estimated >1	,000 matu	re individuals.	
LICABLE (NA) FOR ASSESSME	NT			
Botaurus stellaris	NA			
raq; may breed in southern marsh	nes (Salim et	al. 2012) t	out no confirmed r	ecent records.
Tadorna tadorna	NA			
Anas platyrhynchos	NA			
historical records in Iraq, now <	10 pairs the	e. Margina	ો.	
Anas clypeata	NA			
Anser anser	NA			
confirmed in 1960s. 2009 report o	of a nest in 2	009 from r	eliable hunters but	needs confirmation. Marginal.
Podiceps nigricollis	NA		-	
n central Iraq; probably breeds in	Syria. 0.07%	of global	range in region; Ir	regular breeder; <50 pairs.
Hieraaetus pennatus	NA		-	Stable?
N Iraq. 0.1% GR. Marginal.				
Falco subbuteo	NA			
Syria (Murdoch and Betton 2008	3). Marginal.			
Pelecanus onocrotalus	NA		-	
ne recent breeding record from K	uwait. Marg	inal.		
Porzana pusilla	NA			
/larginal				
Porzana porzana	NA		-	
/arginal.				
Rostratula benghalensis	NA			
el - marginal.				
Larus michahellis	NA			
Sterna sandvicensis	NA			
Svria since 2009: One breeding		abian Peni	nsula: marginal, bu	ut interesting inland record and far from neares
Asio otus	NA			
. Marginal.				
Caprimulgus europaeus	NA			
	NA			
farginal.				
Picus viridis	NA		_	Uncertain
FILUS VITIUN	1 12 1			e noor tuni
(c.100 pairs). Marginal.	NΔ		-	
(c.100 pairs). Marginal. Lanius collurio	NA) Marginal			
(c.100 pairs). Marginal.				
	Emberiza tahapisi Emberiza socotrana viduals (Porter & Suleiman 2013) road construction. Meets size critt Emberiza melanocephala the region and in northern Iraq; LICABLE (NA) FOR ASSESSME Botaurus stellaris raq; may breed in southern marsi Tadorna tadorna Anas platyrhynchos • historical records in Iraq, now <	Emberiza tahapisiLCEmberiza socotranaNTriduals (Porter & Suleiman 2013); 2/3 of this i road construction. Meets size criterion for B1Emberiza melanocephalaLCthe region and in northern Iraq; estimated >1LICABLE (NA) FOR ASSESSMENTBotaurus stellarisNAraq; may breed in southern marshes (Salim et Tadorna tadornaNAAnas platyrhynchosNAhistorical records in Iraq, now <10 pairs ther Anas clypeataNAAnser anserNAAnser anserNAPodiceps nigricollisNANa central Iraq; probably breeds in Syria. 0.07%Hieraaetus pennatusNASyria (Murdoch and Betton 2008). Marginal. Pelecanus onocrotalusNAPorzana pusillaNAMarginal.NAArarginal.NAArarginal.NAArarginal.NAArarginal.NAPorzana porzanaNAMarginal.NAAsio otusNAAsio otusNAAsio otusNAAsio otusNAAraginal.NAAsio otusNAAsio otusNAAsio otusNAAsio otusNACaprimulgus europaeusNADendrocopos minorNA	Emberiza tahapisi LC Emberiza socotrana NT riduals (Porter & Suleiman 2013); 2/3 of this is 2,600 maroad construction. Meets size criterion for B1 and B2 bu Emberiza melanocephala LC the region and in northern Iraq; estimated >1,000 matu LICABLE (NA) FOR ASSESSMENT Botaurus stellaris NA raq; may breed in southern marshes (Salim et al. 2012) b Tadorna tadorna NA Anas platyrhynchos NA Anas platyrhynchos NA Anas clypeata NA Anser anser NA confirmed in 1960s. 2009 report of a nest in 2009 from r Podiceps nigricollis NA n central Iraq; probably breeds in Syria. 0.07% of global Hieraaetus pennatus NA Syria (Murdoch and Betton 2008). Marginal. Pelecanus onocrotalus NA Marginal. NA Porzana pusilla NA Asio otus NA Asterna sandvicensis NA Asto otus NA Arginal. NA Porzana porzana NA Marginal. NA A	Emberiza tahapisi LC Emberiza socotrana NT B1+2ab road construction. Meets size criterion for B1 and B2 but not declining - N Emberiza melanocephala LC LC Emberiza melanocephala LC Emberiza melanocephala LC Emberiza melanocephala LC LICABLE (NA) FOR ASSESSMENT Botaurus stellaris NA Botaurus stellaris NA Anas platyrhynchos NA Anas platyrhynchos NA NA Anas clypeata NA Anas clypeata NA NA NA Na Podiceps nigricollis NA NA NA Podiceps nigricollis NA NA Na Polices subbuteo NA Syria (Murdoch and Betton 2008). Marginal. Pelecanus onocrotalus NA Porzana porzana NA Aarginal. Porzana porzana NA Ariginal. NA Arginal. Arginal. Arginal. Porzana porzana NA Aarginal. Aarginal. Aarginal. Porzana porzana NA Aarginal. Aarginal. Aarginal. Aarginal.

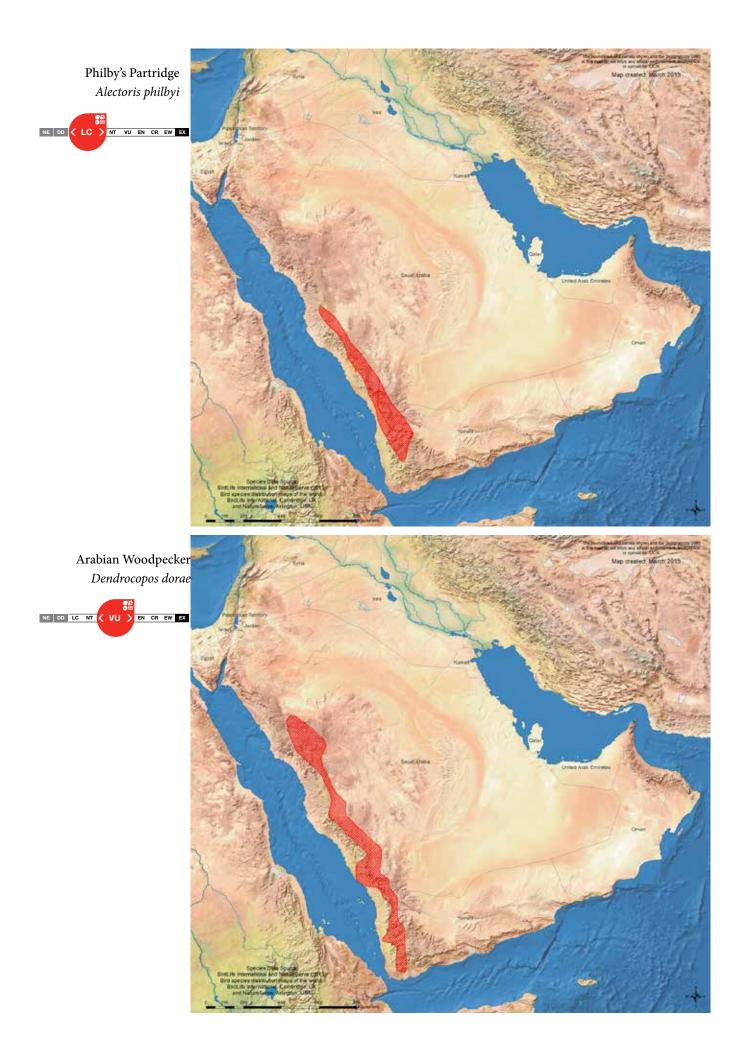
Common Name	Scientific Name	Reg Cat	Reg adj	Criteria	Regional trend
Long-tailed Tit	Aegithalos caudatus	NA			
Very local breeder in N Iraq mou	untains. 0.1% of glob range. Margir	ıal			
Savi's Warbler	Locustella luscinioides	NA			
Western Syria, maybe Lebanon.	Not breeding in Jordan. Marginal.				
Plain Leaf-warbler	Phylloscopus neglectus	NA			
One mountain site in Iraq; 2 pair	rs in 2011 and 20 pairs in 2012. Ma	rginal.			
Bonelli's Warbler	Phylloscopus bonelli	NA			
Breeds in Jordan; no recent report	rts in Syria, no proven breeding in	Iraq. Margi	nal.	_	
Common Whitethroat	Sylvia communis	NA			
Very few in northern Jordan; sca	rce breeder in Lebanon. Marginal				
Rueppell's Warbler	Sylvia rueppelli	NA			
A few breed in Syria. Marginal.					
Bearded Parrotbill	Panurus biarmicus	NA			
Breeds in Syria (Murdoch & Bett	on). Marginal.				
Yellow Wagtail	Motacilla flava	NA			
Three recent breeding records in	UAE; not confirmed as breeding in	n Jordan, Sy	ria and Ira	q. Marginal.	

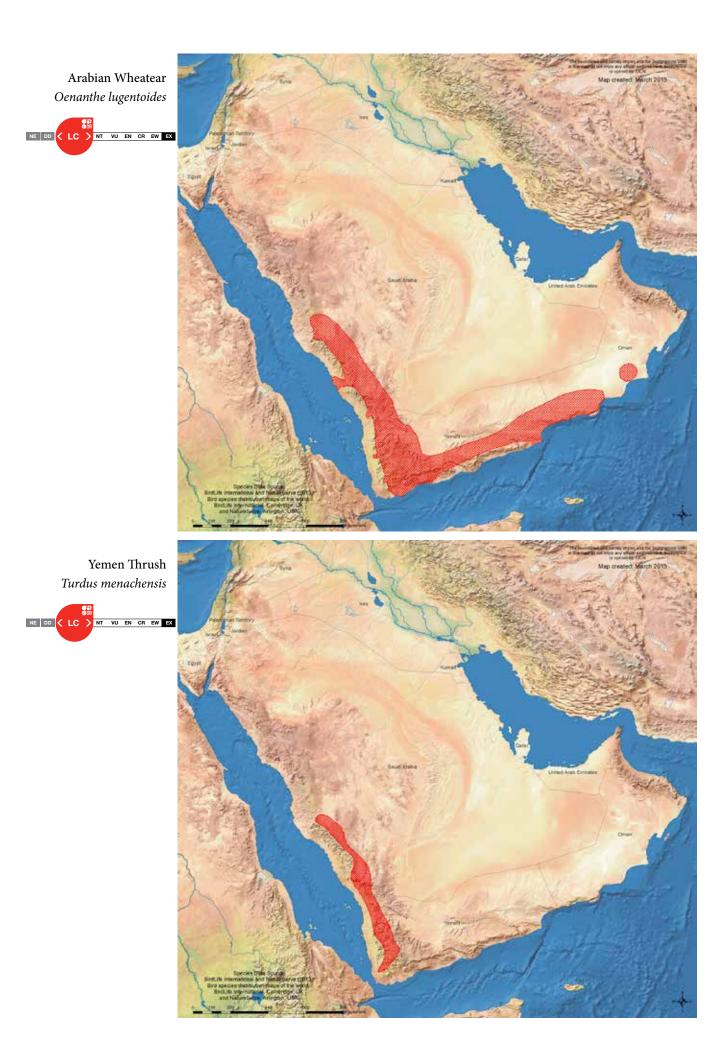
Appendix 3. Endemic, near-endemic and threatened species distribution maps

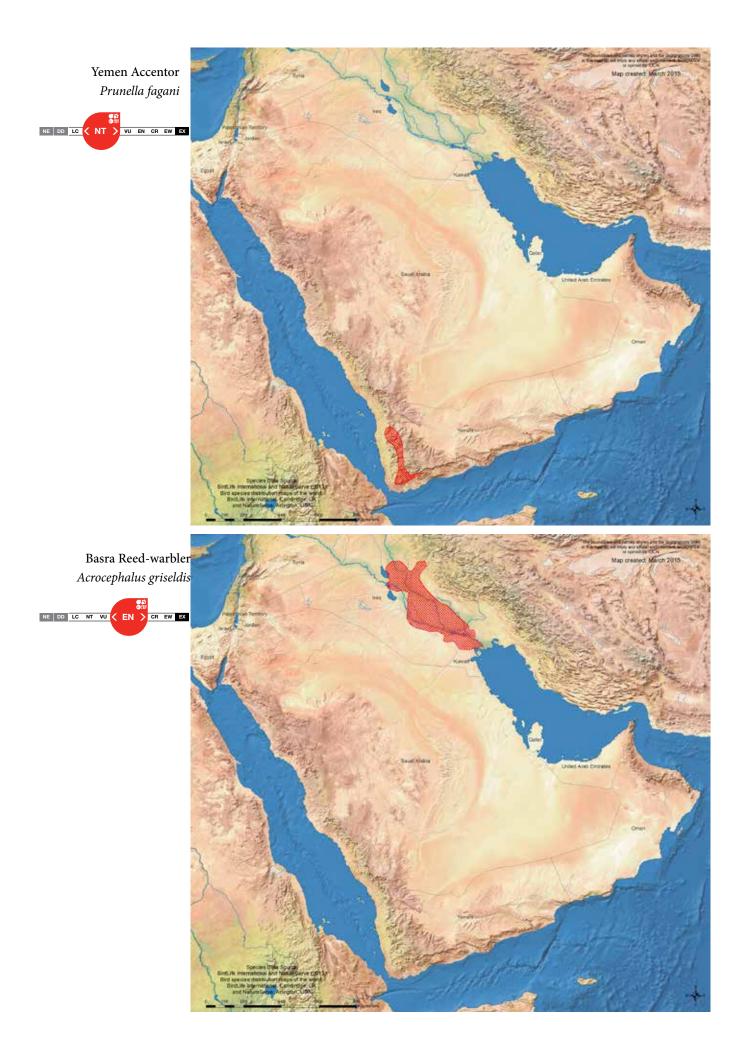


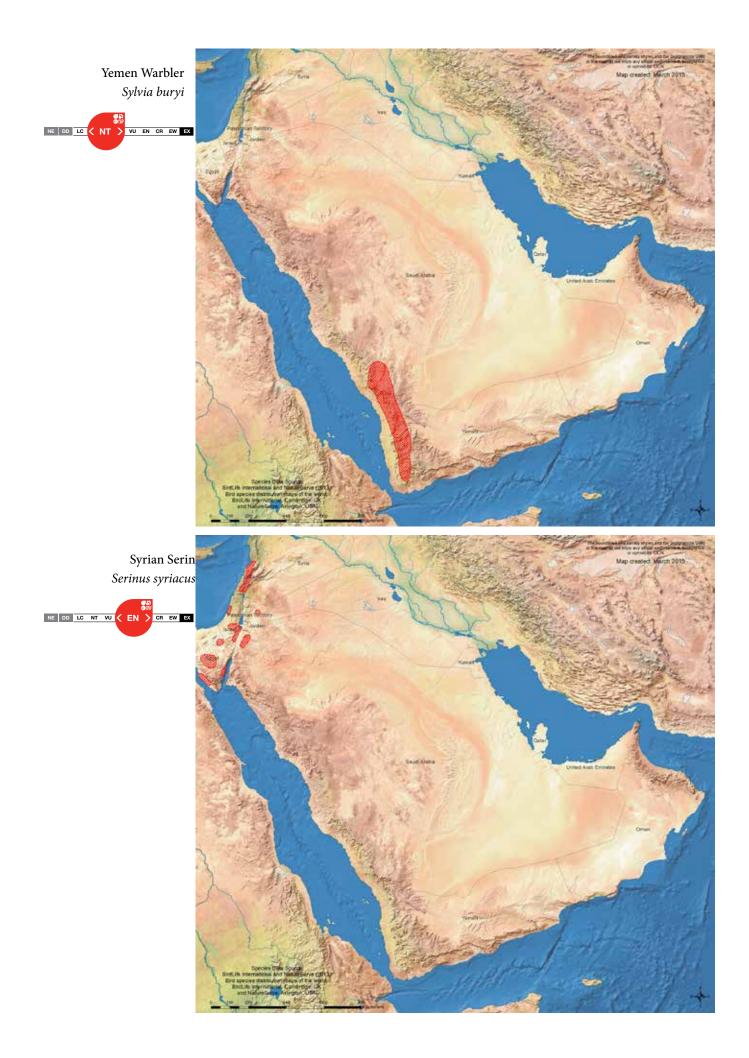
Arabian Partridge Alectoris melanocephala

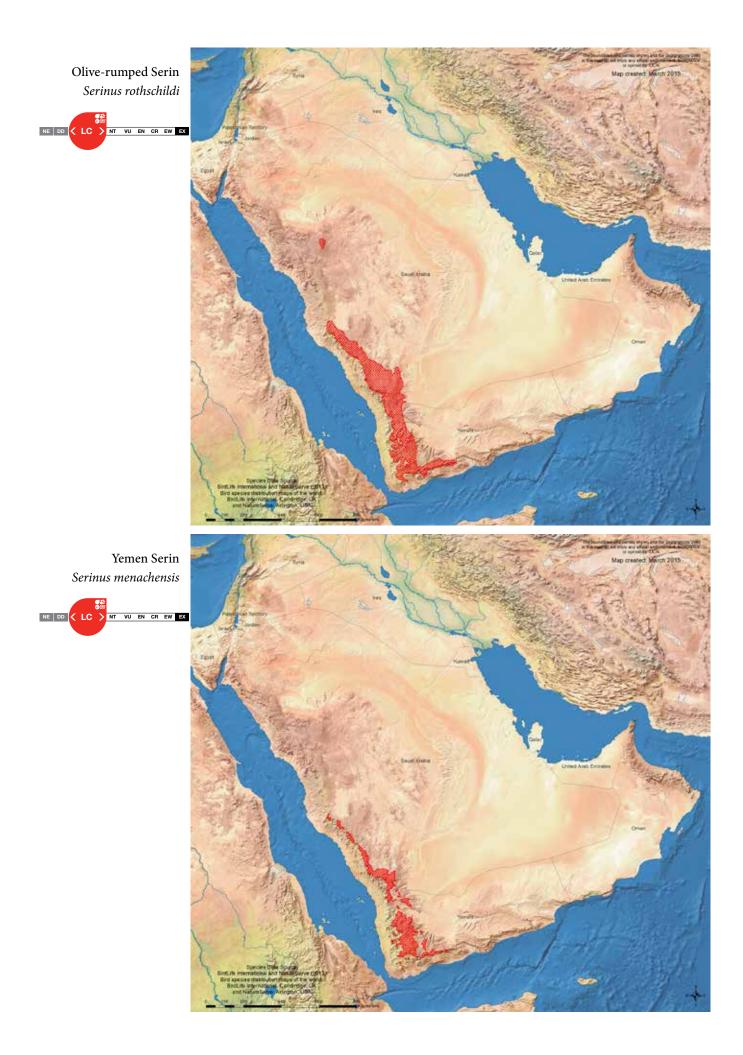


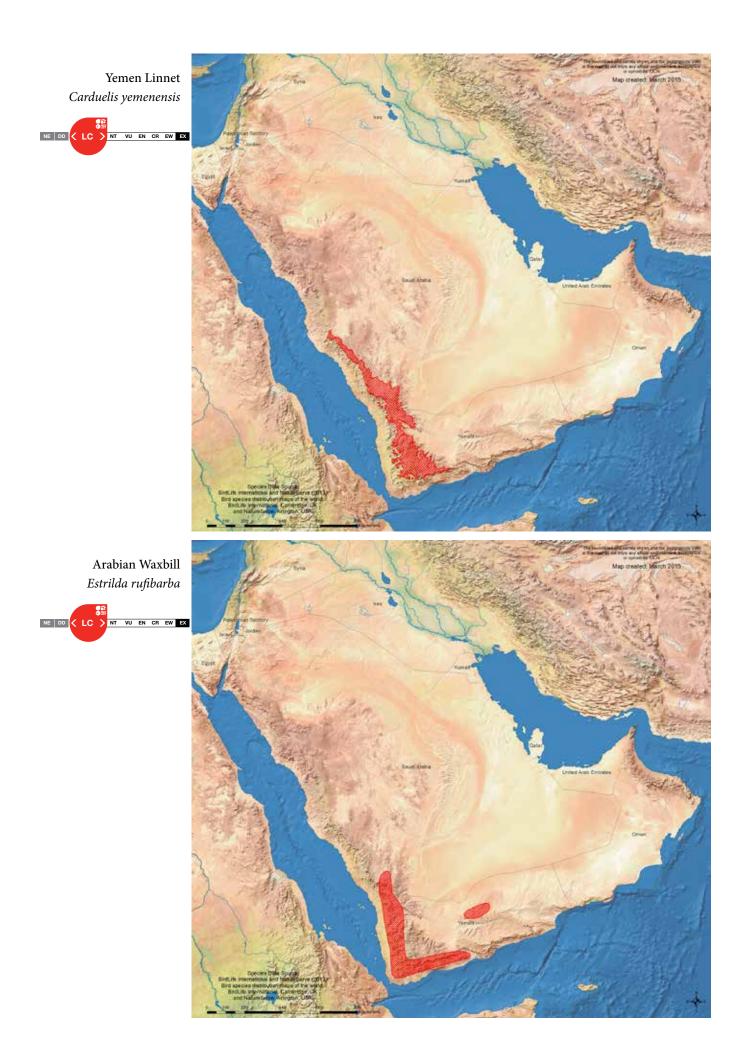


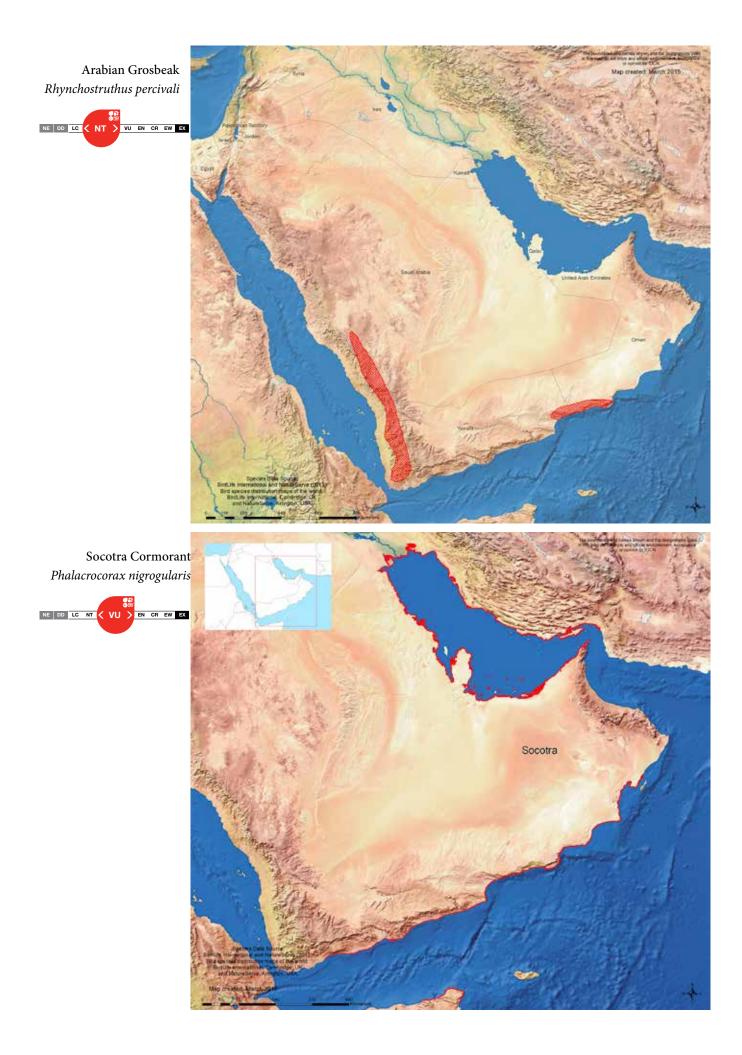


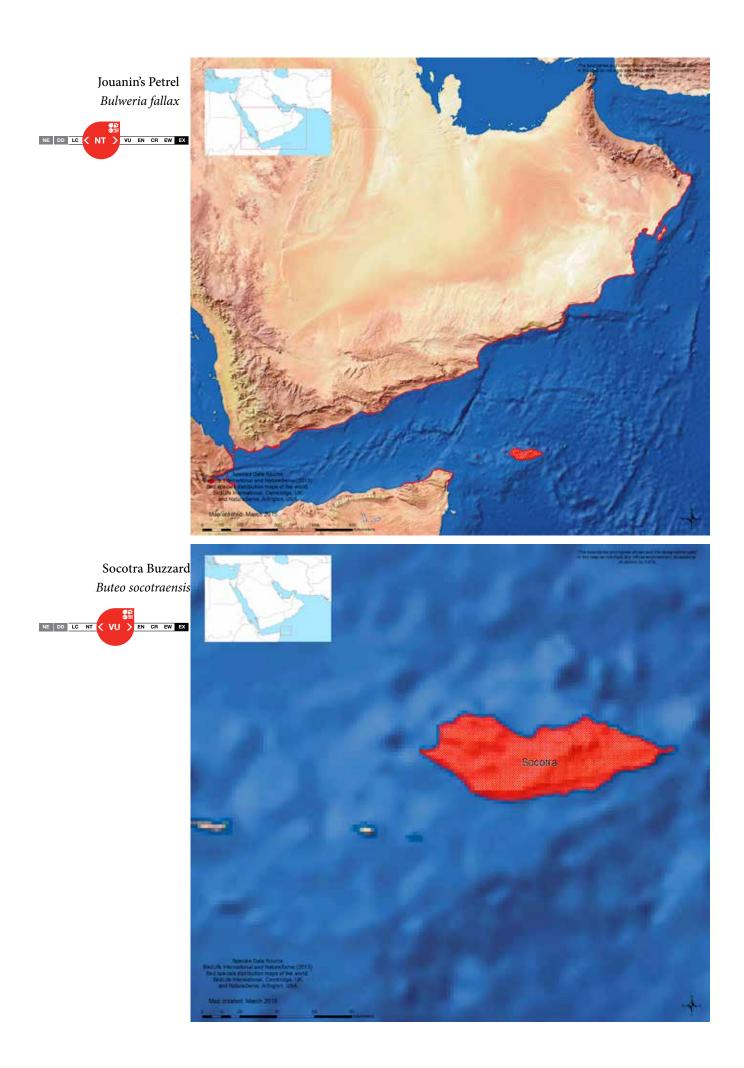


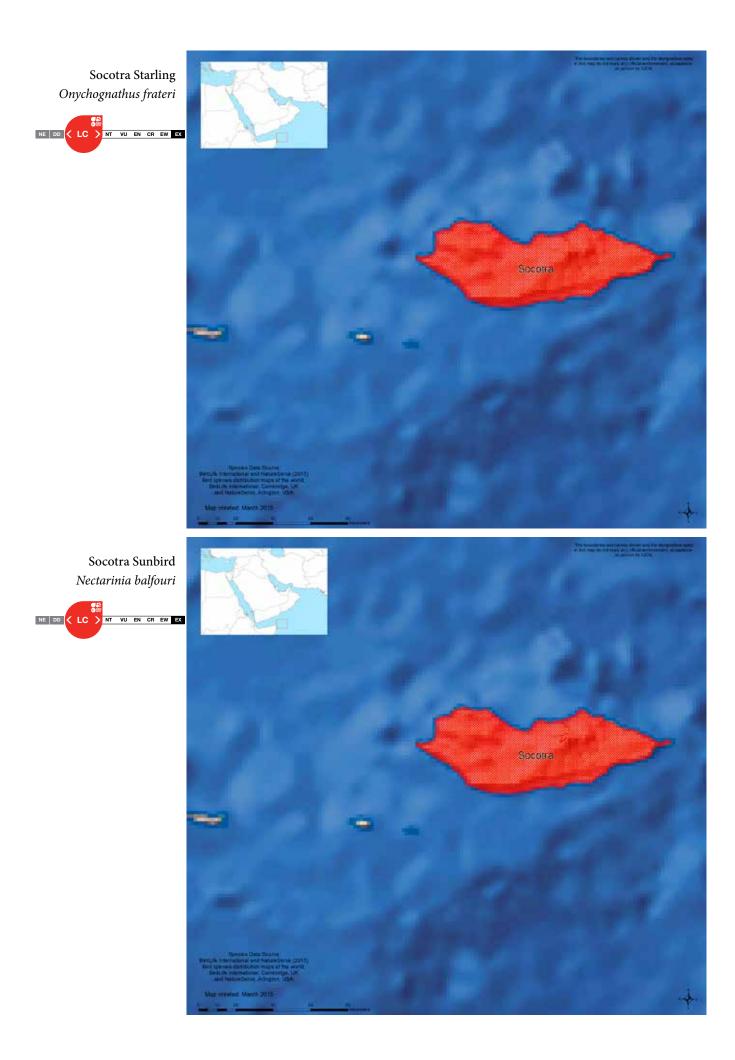


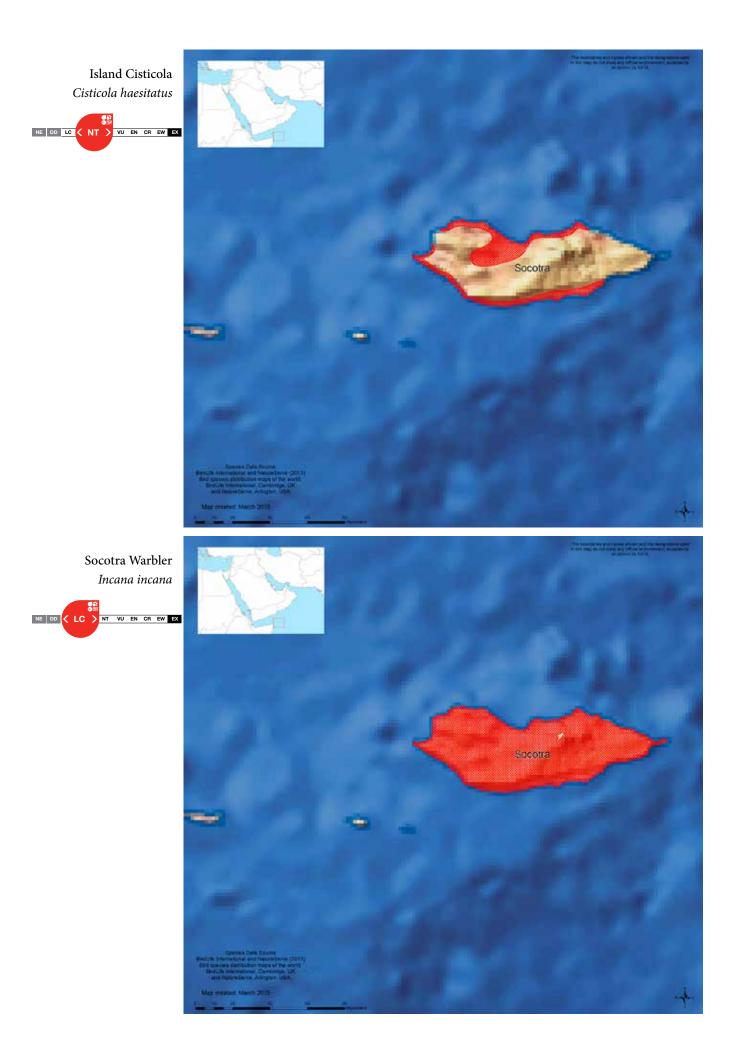


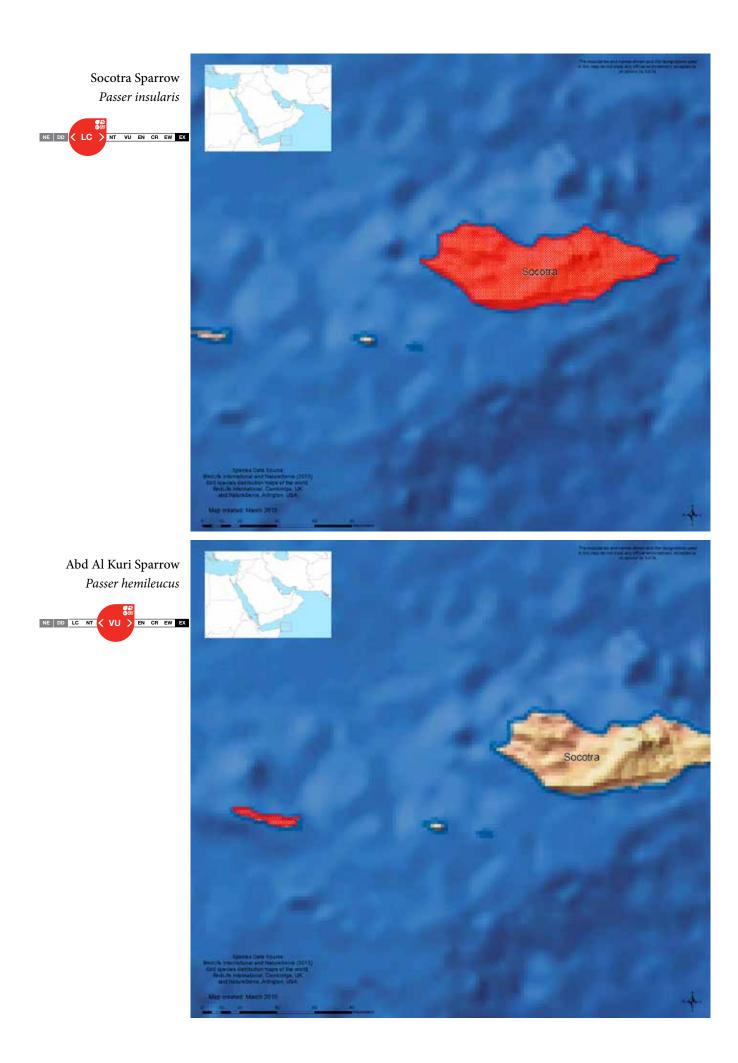










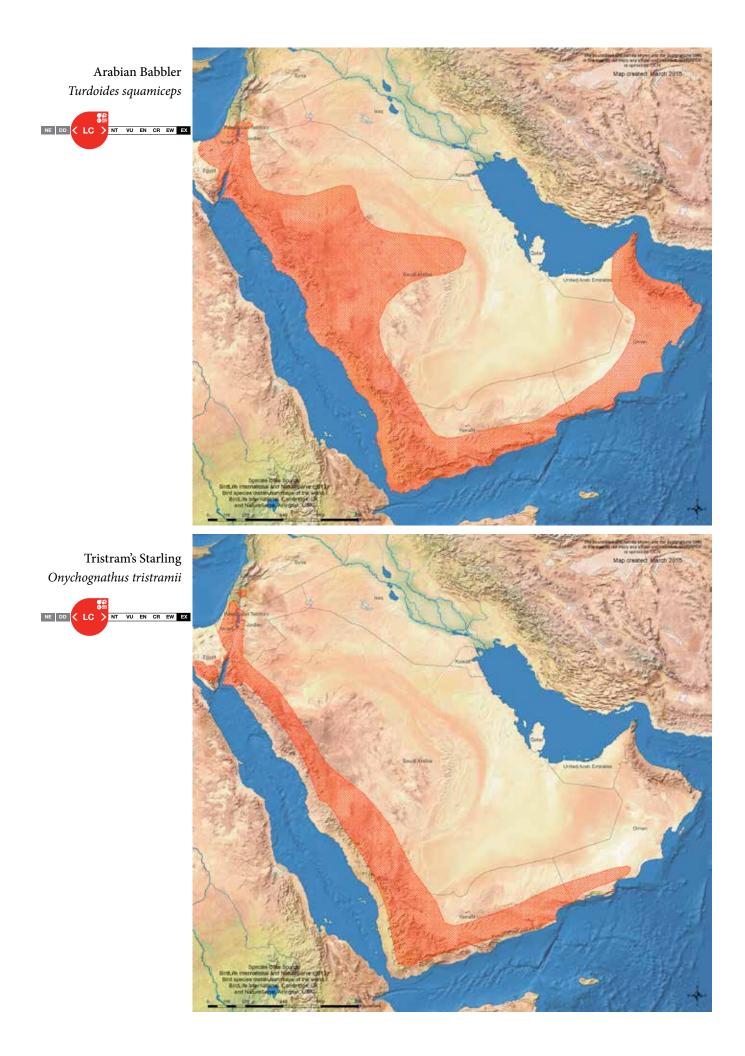


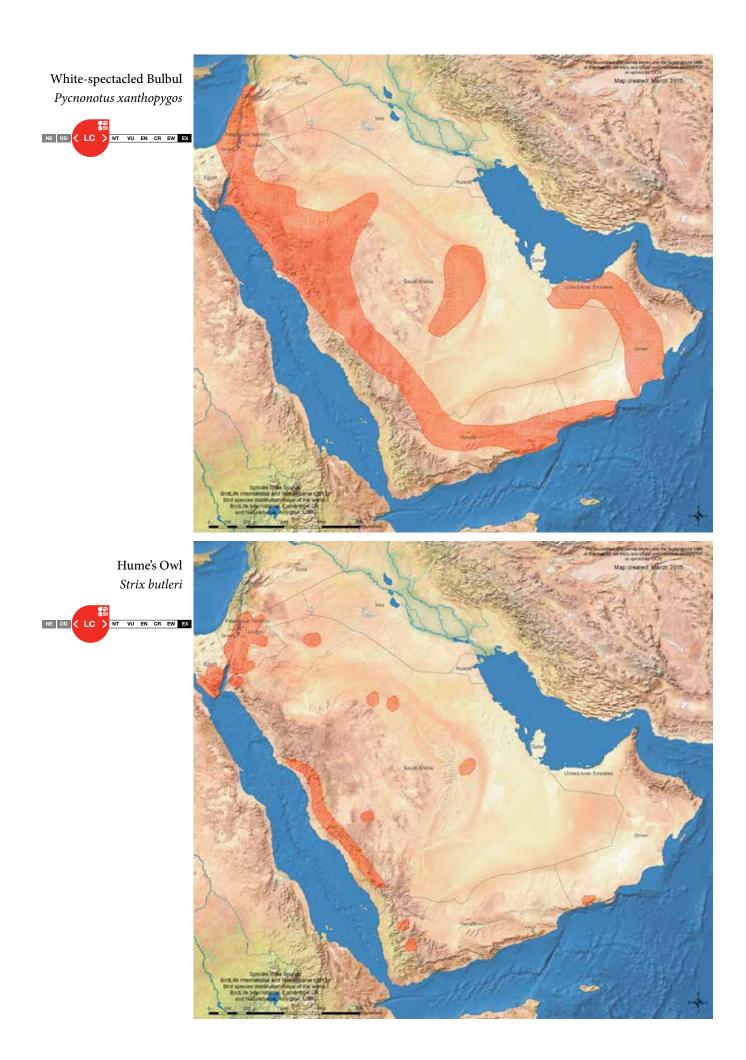


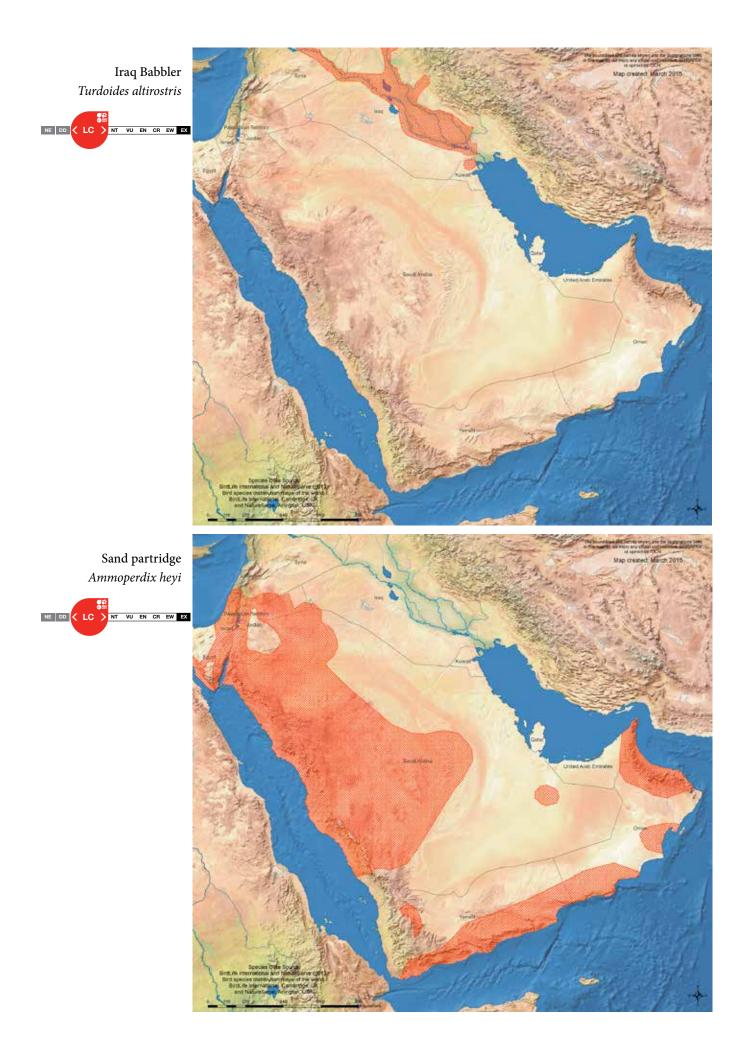






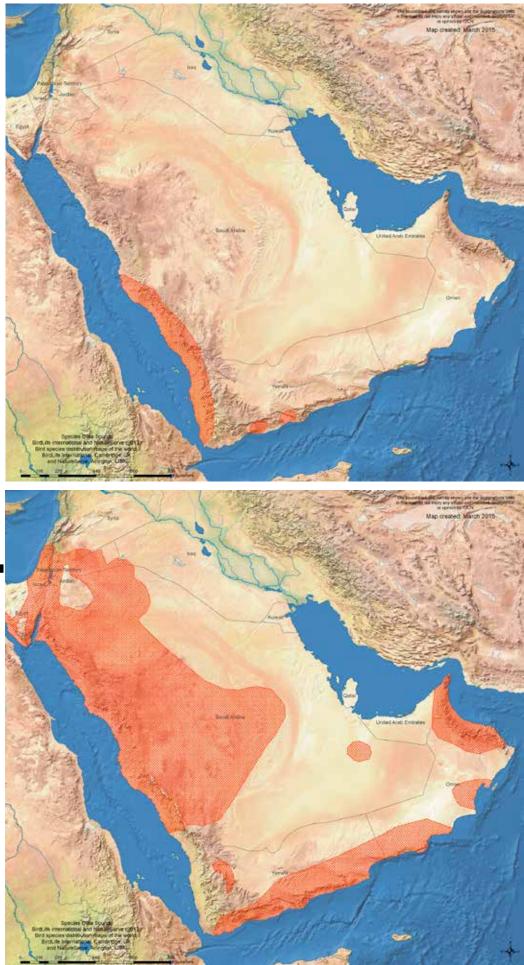




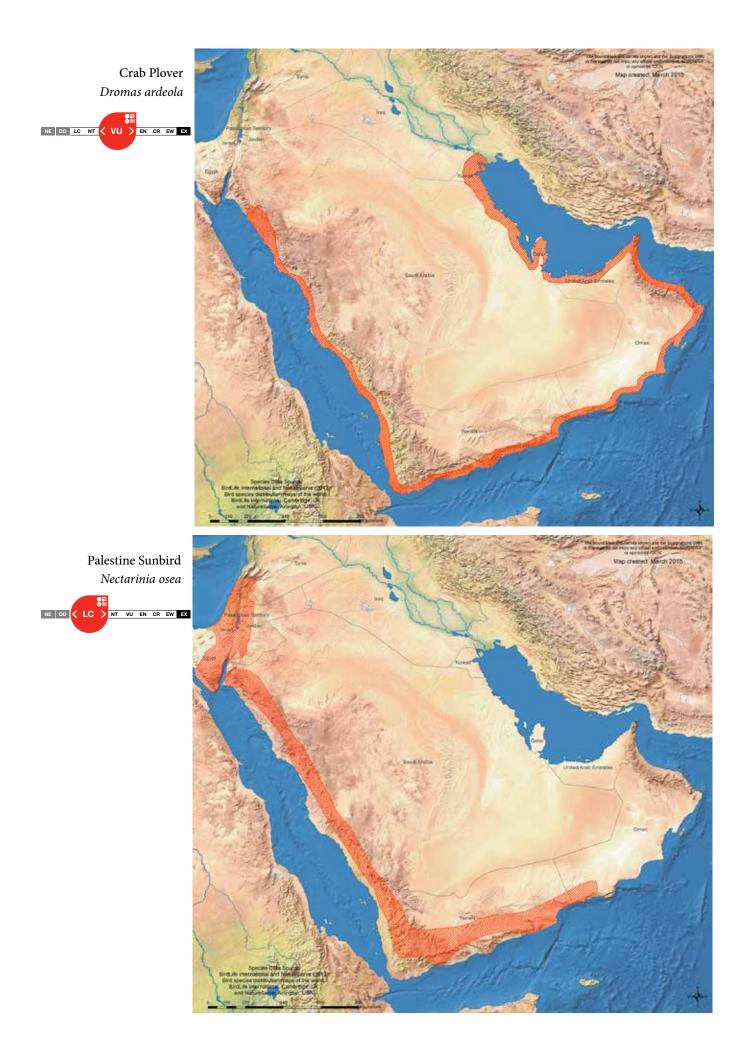


Arabian Golden Sparrow Passer euchlorus











Iraq Babbler Turdoides altirostris. © Mudhafar Salim

Syrian Serin Serinus syriacus. © Ghassan Jarai/SPNL



White-throated Robin Irania gutturalis. © Richard Porter

Yemen thrush Turdus menachensis. © Richard Porter



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